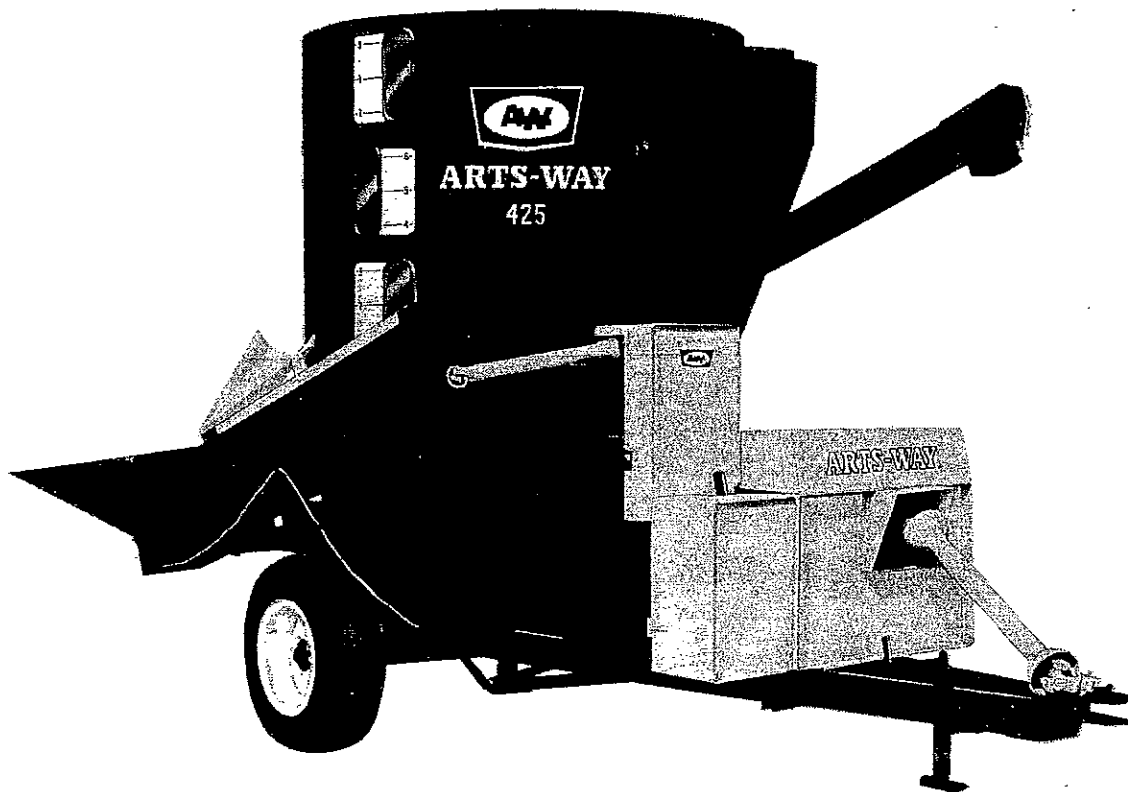




**ARTS-WAY**

# **OPERATORS MANUAL & PARTS LIST**



**MODEL 425-B & 325-B**

## **FEED MIXER AND MILL**

REV. 11-73



# **ARTS-WAY**

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





# ARTS-WAY

Manufacturing Company / Armstrong, Iowa / Phone (712) 864-3131

## SPECIFICATIONS

### MIXER

MODEL 325-B    MODEL 425-B

Capacity of mixer ..... 117 cu. ft.    129 cu. ft.  
 Height (variable with wheel size) ..... 98 in.    104 in.  
 Width ..... 90 in.    90 in.  
 Length overall ..... 150 in.    150 in.  
 Discharge Auger: 7" auger type conveyor. 8' main auger  
 has a 12' reach. Distance from ground to main auger is 4½'  
 with optional heights available. 324° horizontal operating  
 arc. 360° vertical operating arc.

### AUGER FEEDER

Length ..... 7'  
 Auger Size ..... 10"  
 Hopper Width ..... 46"  
 Height of hopper from ground in down position ..... 16"  
 Adjustable to four speeds. Mechanical or hydraulic drive.

### 20" HAMMERMILL

Width of mill ..... Full 20"  
 Screen Area ..... 600 sq. in.  
 Operating speed of PTO ..... 540 rpm or 1,000 rpm  
 Operating speed of mill ..... 2,800 to 3,000 rpm  
 Screen sizes available ... ½-¾-1-1½-2-3-4-5-6-8-10-12-14-16-18-20"  
 (Two with machine; others optional) ¾-1-1½-2-2½-3-4-5-6-8-10-12-14-16-18-20"

Power required ..... 2 to 5 plow tractor  
 Throw-out clutch disengages mill, but mixer continues to  
 operate. Hardened swinging hammers reversible four times.  
 Heavy duty 2¼" main shaft, 2" self-aligning, dust-sealed  
 heavy duty bearings.

Arts-Way Corn Sheller Capacity .... Approx. 200 bu. per hr.

*A Careful Operator*

IS THE BEST INSURANCE

AGAINST AN ACCIDENT

—National Safety Council.

Arts-Way Manufacturing Co. reserves the right to make changes or improvements in design or construction of any part, without incurring the obligation to install such changes on any unit previously delivered.

# INFORMATION FOR ORDERING MIXER AND MILL PARTS

OWNERS NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

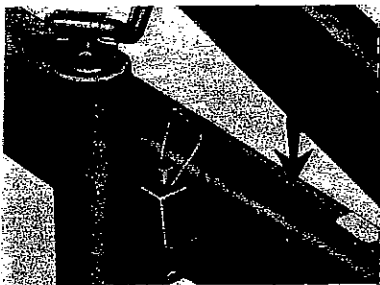
DEALERS NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

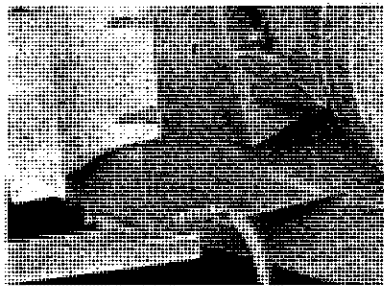
SERIAL NUMBERS—Mixer \_\_\_\_\_ Mill \_\_\_\_\_

Drag \_\_\_\_\_

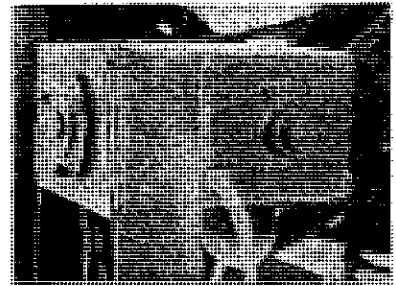
DATE PURCHASED \_\_\_\_\_



*Mixer Number*



*Mill Number*



*Drag Number*

**THIS IS YOUR  
ARTS-WAY  
WARRANTY CARD**



**PLEASE FILL OUT  
AND MAIL  
PROMPTLY!**

You must fill out this card with the information requested and  
send to The Company in order to receive warranty.

OWNERS NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

DEALERS NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

SERIAL NUMBERS—Mixer \_\_\_\_\_ Mill \_\_\_\_\_

Drag \_\_\_\_\_

DATE PURCHASED \_\_\_\_\_





## TO THE OWNER

The Arts-Way Portable Mixer and Mill is the finest equipment made and the purpose of this manual is to assist you in realizing the benefits you anticipated when you purchased this Portable Mixer and Mill. 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 the 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 the 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 Mfg. Co., (712) 864-3131, Armstrong, Iowa 50514.

The Arts-Way Mfg. Co. reserves the right to make changes and improvements on its products at any time without incurring any obligation to make such changes and improvements on any previous products.

## WARRANTY

The Mixer and Mill carries warranty by Arts-Way Mfg. Co. on material and workmanship for ONE YEAR. Any defective parts under warranty are to be returned to Arts-Way Mfg. Co., Armstrong, Iowa 50514, for credit.

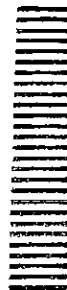
### BUSINESS REPLY CARD

NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES

POSTAGE WILL BE PAID BY—

### FIRST CLASS

Permit No. 10  
ARMSTRONG, IOWA  
50514



**ARTS-WAY MFG. CO.**

ARMSTRONG, IOWA 50514

THIS IS YOUR  
ARTS-WAY  
WARRANTY CARD



PLEASE FILL OUT  
OTHER SIDE  
AND MAIL  
PROMPTLY!



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## GENERAL CARE & OPERATION

This manual has been prepared to help you better understand the efficient operation and care of your Portable Unit.

After you have read this manual and familiarized yourself with the operation of this machine, run ten bushels of corn cobs or other material through the mixer-mill to remove the protective oil coating from the mixer and any metal particles that may be in the machine. Do NOT feed this material.

**IMPORTANT** — Periodically check all bolts and all set screws, especially when machine is new. Be sure to keep all roller chains at proper tension. Keep chains well oiled.

The Arts-Way 325 and 425 Mixer-Mills are PTO driven by a 2 to 5 plow tractor. They are available for 540 RPM or 1000 RPM PTO's, and this speed should be maintained as the grinder performs best at 2,800 to 3,000 RPM (do not exceed 3,000 RPM).

### NOTE:

Located in the auger between the hammermill and the mixer is a bearing and bracket. After two full loads of feed have been ground and mixed, this bearing should be removed permanently. (Do not grind hay until this bearing is removed.) To take out bearing and bracket, remove two bolts and take the bearing and bracket out through the clean-out door. (See Illustration 1)

### CAUTION:

*Never put hands inside mixer during operation.*

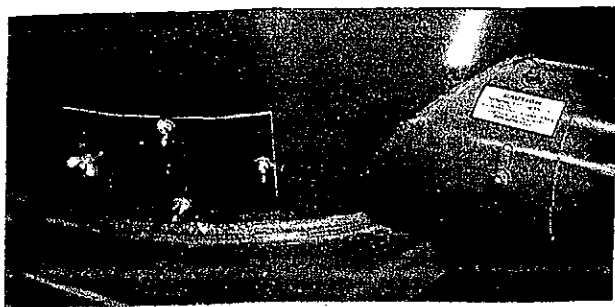


Illustration 1

**SCREENS:** The screen size will be determined by the fineness desired. Screen sizes are available from 3/32 to 2 inch openings.

### TO INSTALL OR CHANGE SCREEN

1. Open hammer mill cover and remove screen bar. (See Illustration 2)
2. Remove existing screen with wire hook provided. (See Illustration 3)
3. Slide the new screen into the hammer side of the screen guides. (See Illustration 4)
4. Replace screen bar and the hammer mill cover.

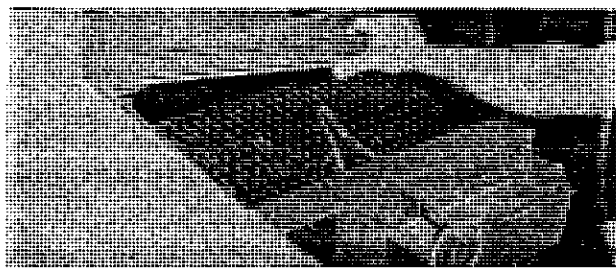


Illustration 2

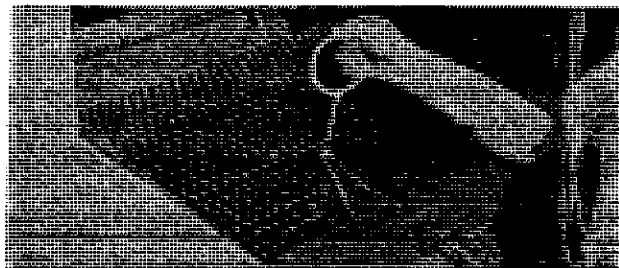


Illustration 3



Illustration 4

## BEFORE STARTING THE TRACTOR

1. Be sure unloading door is closed. (See Illustration 5)
2. Disengage the unloading auger clutch by pulling the handle in a rearward direction until it is completely against the main frame. (See Illustration 5)
3. Engage the hammer mill by pushing the clutch pin in until it engages the cogs of the flywheel. Turn right or left to lock. (See Illustration 6)

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### CAUTION:

*Do not attempt to engage or disengage hammer mill while tractor engine is running.*

---

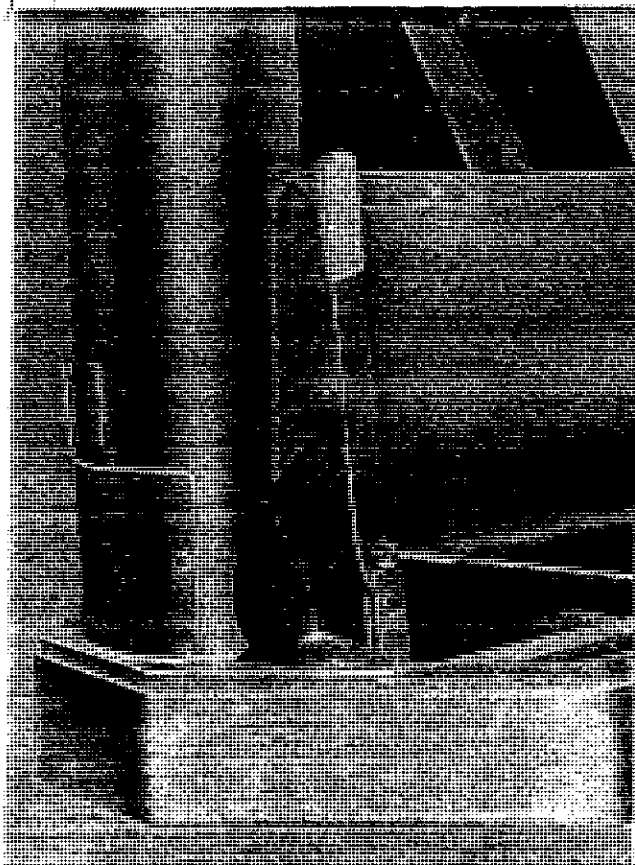


Illustration 5

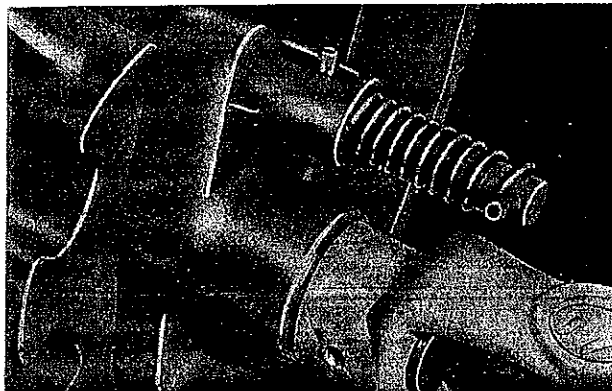


Illustration 6

## HAY RETARD BOLTS

The hay retard bolts will maintain uniform feeding while grinding hay. The degree of retard is adjusted by loosening the lock nuts on each of the three bolts and turning the bolts in or out to the desired position. Secure the bolts by again tightening the lock nuts. (See Illustration 7) Retarding action is increased by turning the bolts in and lessened by turning bolts out.

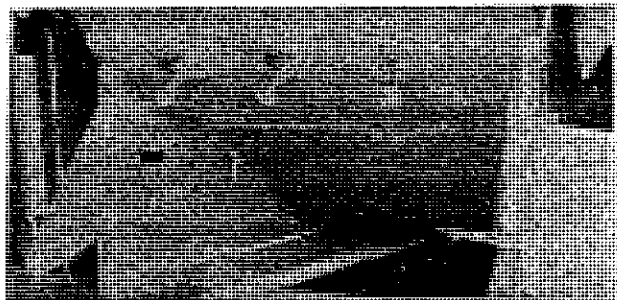


Illustration 7

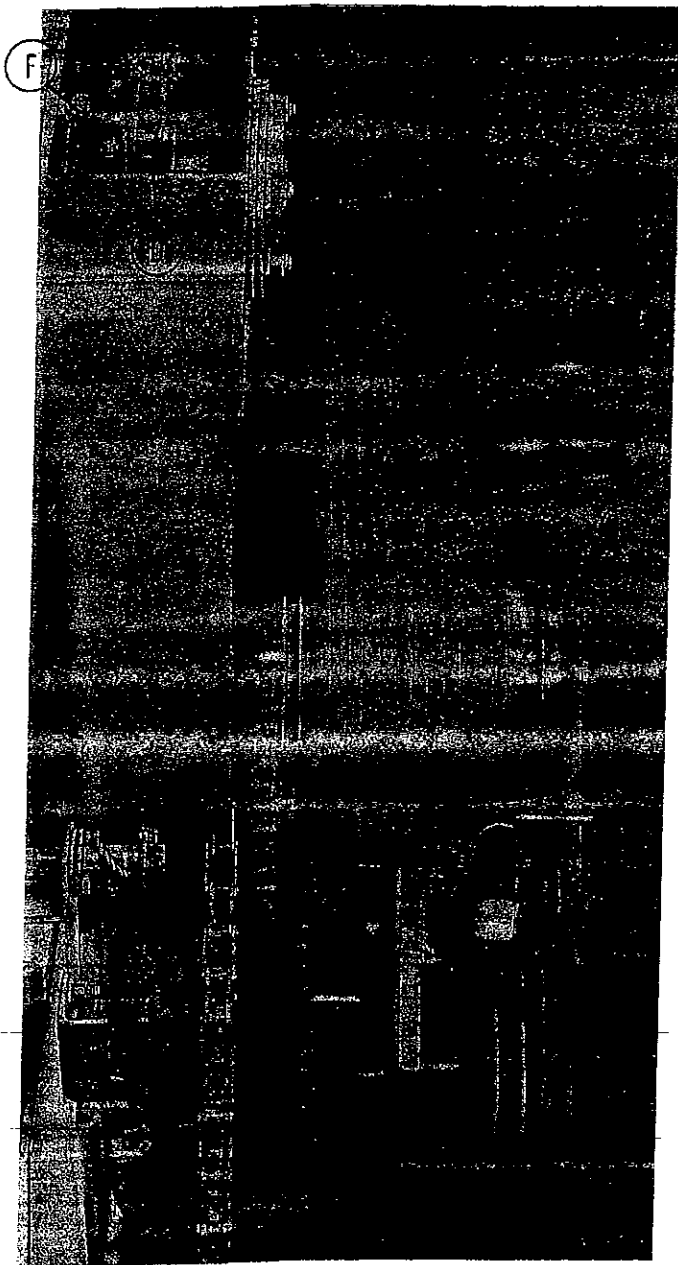
## AUGER DRAG (PTO Driven) (OPTIONAL EQUIPMENT)

The auger drag swings out, and may be operated in any position from transport to 120 degrees from transport.

The tractor rated PTO speed must be maintained. Regulate auger speed to fit your tractor horsepower, screen size and material to be ground. Four auger speeds are obtainable. Two speed changes are made by changing belt "A" from pulleys "B" to pulleys "C" and two more by moving chain "D" from sprockets "E" to "F". The most rearward combination of pulleys and/or sprockets will provide the faster auger speeds. (See Illustration 8).

**CAUTION:**

*Do not try to change speeds during operation.*



*Illustration 8*

To stop drag, push down handle "C" to start, squeeze lever and handle together. (See Illustration 9)

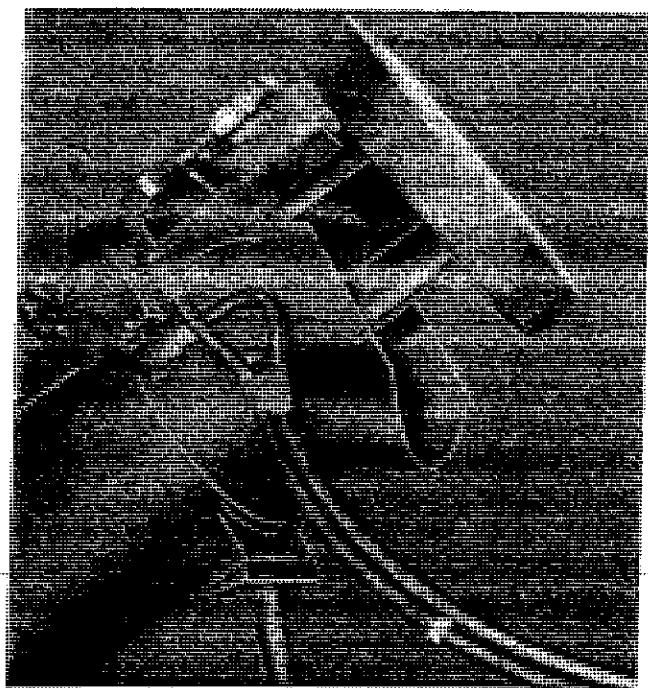
To increase tension on belt "A", loosen nut "B" and slide pulley upwards. (See Illustration 9)



*Illustration 9*

**HYDRAULIC DRIVEN AUGER DRAG**  
(OPTIONAL EQUIPMENT)

To change the speed of the hydraulic drag, turn valve "A" right or left to increase or decrease speed. (See Illustration 10)



*Illustration 10*

**GOVERNOR ADJUSTMENT**  
(OPTIONAL EQUIPMENT)

To increase the governor action, tighten nuts "A". To decrease its action, loosen these nuts. Tighten or loosen both nuts evenly. Clearance between plates "B" should be approximately 1/16 inch. If the governor does not disengage by loosening or tightening spring-tension adjustment nuts, then loosen set screw "C" and tighten or loosen adjustment nut "D". If the governor dis-

engages too quickly, tighten the nut, decreasing the clearance between plates "B". Be sure to re-tighten the set screw after this adjustment is made. (See Illustration 11)

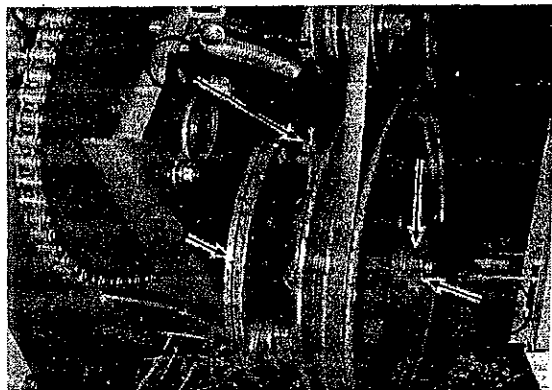


Illustration 11

To remove auger drag, remove pins "A" and "B". Pull auger toward rear to separate the auger shaft at point "C". (See Illustration 12)

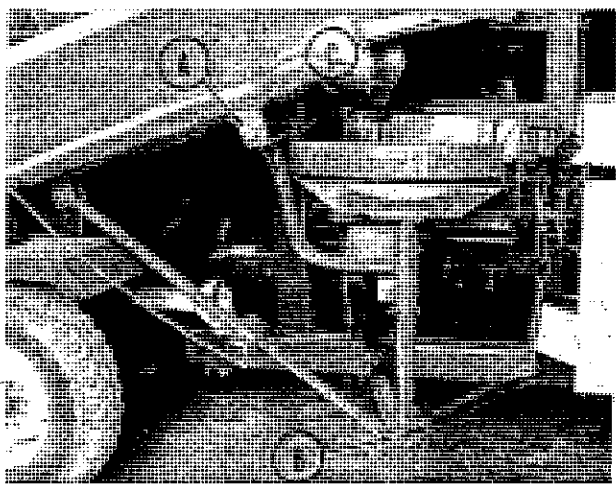


Illustration 12

#### ROLL FEED (OPTIONAL EQUIPMENT)

The roll feed will maintain uniform feeding, especially when grinding hay or ear corn. The roll feed may be locked in any position desired by turning crank "A". (See Illustration 13)

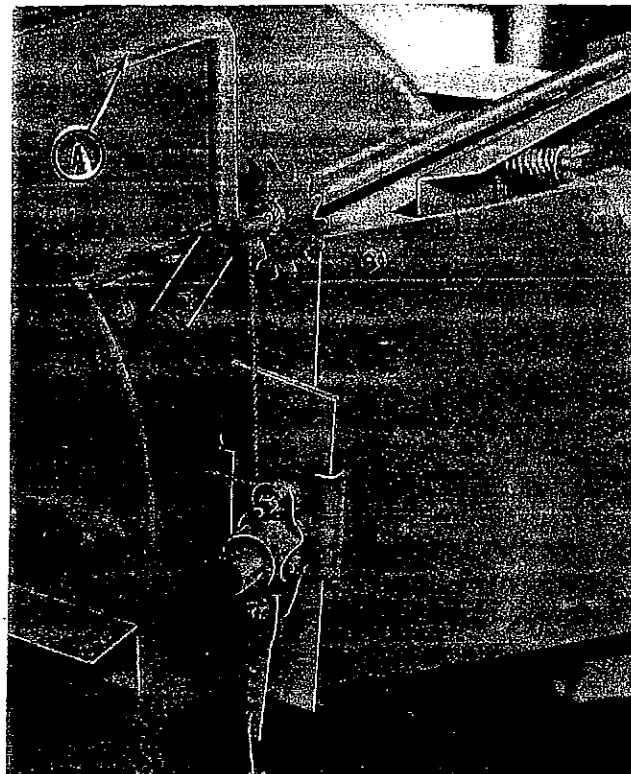


Illustration 13

#### FILLING MIXER

Be sure unloading door is closed. Watch the ground feed through the mixer windows, as the mixer is filling. The top window will gradually become completely covered. At this point, the mixer is not full (due to the flinging action of the mixing auger the feed has pyramided away from the top of the mixing auger.) Continue to put material into the hammer mill until the top window clears, and then until it is about one-fourth covered again. Stop the flow of feed to the mill; when the hammer mill is clear, the mixer is full. Do NOT overload the mixer; overloading will damage the machine. (See Illustration 14)

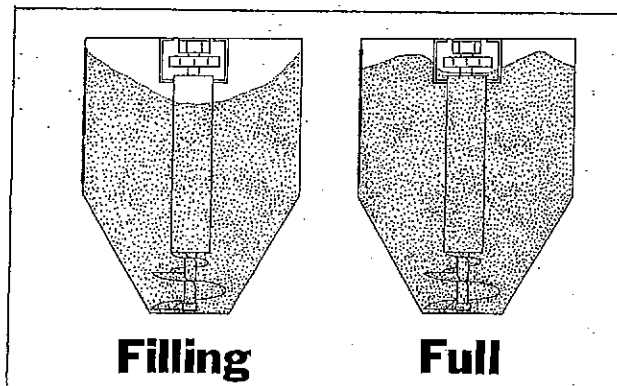


Illustration 14

## ADDING CONCENTRATE OR SUPPLEMENT

Concentrate or supplement should be added to the ground feed through the supplement hopper. For best results, add the concentrate or supplement at the beginning of the operation or within a minute or two after the grinding has begun, to insure a thorough mixing. If micro-ingredients are to be added to the feed, the best results are obtained with a premix, or by adding the supplement and the micro-ingredients simultaneously. If the micro-ingredients are desired without a premix or other supplement, remove the mixing tank lid and put the ingredients into the mixer. This should be done at the beginning of the operation. Be sure to close lid before starting. If strong additives are not wanted in the next batch, remove them through the clean-out door. After adding concentrates, always throw some feed into the hopper; This will assure that all concentrates are pushed through the hopper neck and into the mixer.

## MIXING

After hammer mill is empty, stop the tractor and disengage mill clutch by reversing the process for engaging. Continue to run the mixer for several minutes to insure a thorough mixing of feed and supplements.

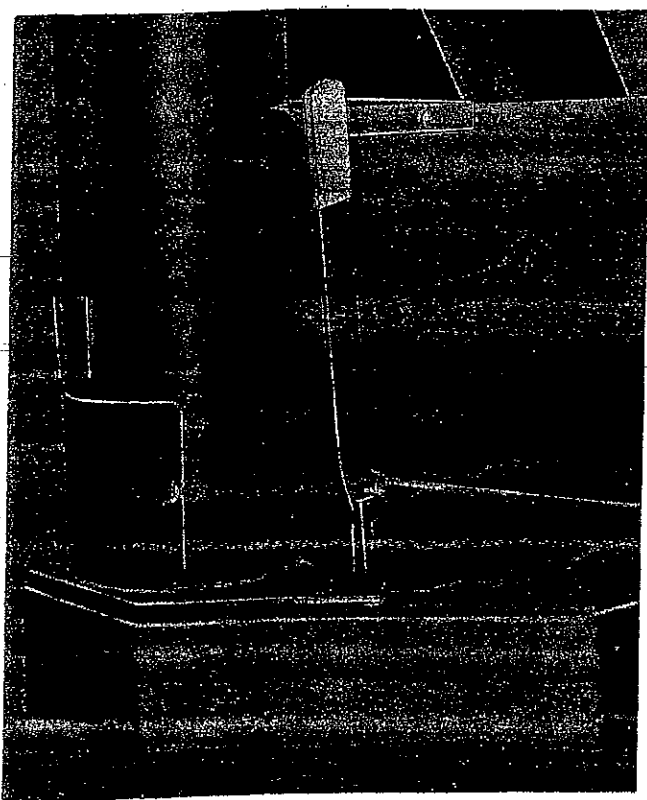


Illustration 15

## UNLOADING

After mixing, the finished feed may be unloaded into storage bins, wagons or feeders. To unload, engage unloading auger, before starting tractor, by moving handle "A" into upright position and then open unloading door so feed fills horizontal auger housing. PTO unloading speed should be at least 200 RPM. (See Illustration 15)

## HERE ARE A FEW GENERAL RULES WHICH MAY BE HELPFUL:

1. Always have hammer mill at rated RPM before starting to grind.
2. Always grind some grain before grinding hay.
3. Do not leave high moisture content feed in mixer. Keep mixer in dry place if possible.
4. Periodically check all bolts and set screws, keep roller chains at proper tension and well oiled.

## ADJUSTMENTS

Chain: Lubricate with a good quality light cylinder oil on the upper side of lower strand. Be sure sprockets are in line on shafts; faulty alignment causes excessive wear on both sprockets and chain.

The split end of the chain clip must face the direction opposite the chain travel. Be sure the clip is properly seated in the grooves on the ends of the pins. (See Illustration 16)

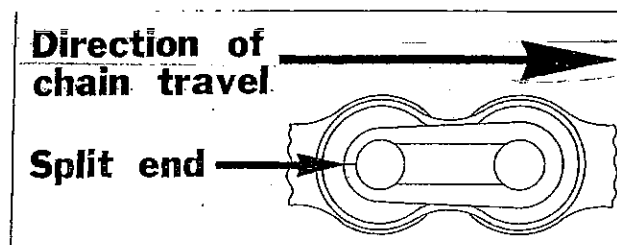


Illustration 16

## MAIN DRIVE BELT TENSION

Tighten the multiple belt drive cautiously. All belts of the main drive must be at equal tension. This requires that the two main drive pulleys be aligned. (See Illustration 17)

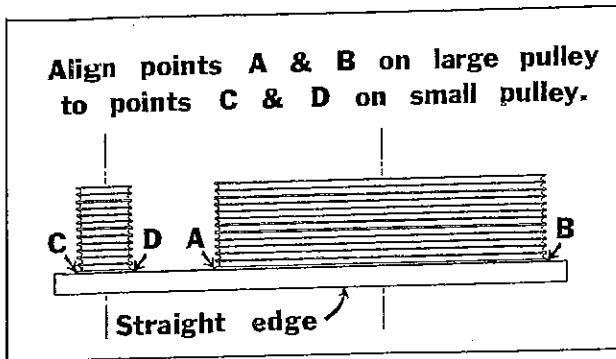


Illustration 17

Belts on new machines have been properly adjusted at the factory. To retension the belts use the following procedure: Place a fish scale on a belt midway between the two pulleys. Five to six pounds pull on the scale should pull one belt 3/16 inch above the next belt. This is the proper tension for used belts on 540 and 1000 RPM drives. The tension should be increased to seven pounds if new belts are being adjusted. (See Illustration 18)



Illustration 18

When re-tensioning the optional double V-Power Band belt, procedure is the same except pull on scale should read 12 to 14 pounds at 1/4 inch deflection.

Replacement belts should be tightened as follows: With a steel tape, measure the outside length of the two middle belts while they are still loose on the pulleys. Then tension the drive until the outside length is increased approximately 3/8 inch for 540 RPM drives and 5/8 inch for 1000 RPM drives.

Belts should be checked periodically for proper tension and alignment. Keep pulleys free of foreign matter to prevent belts from turning over in grooves.

## REVERSING THE HAMMERS

The hammers are reversible, but always replace hammers in exact sequence they were removed to preserve the balance of these specially matched units.

To remove the hammers, remove the two bolts "A" from the side of the mill and plate "B". Remove pins from each end of rod "C" and pull rod out, making sure that the hammers "D" are put back in the same place from which they were removed. Do NOT pull more than one rod at a time to avoid mix-up. Serious vibration will occur if hammers are replaced in wrong position. (See Illustrations 19 and 20)

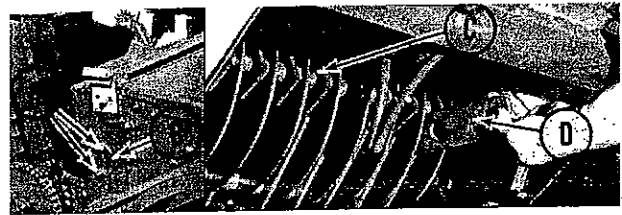


Illustration 19

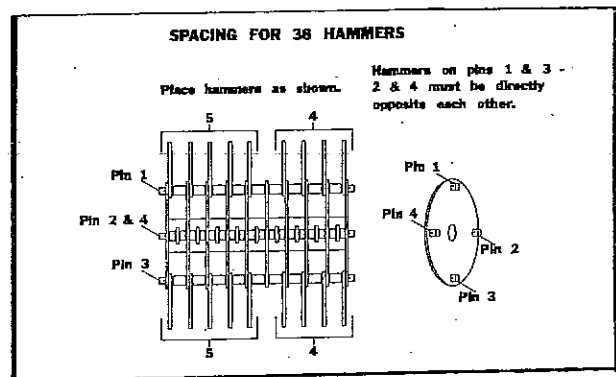


Illustration 20

## REPLACEMENT OF DAMAGED HAMMERS

Hammers must be replaced in pairs to maintain balance. This is done by replacing the hammers opposite each other (180 degrees apart) with a matched pair.

## AUGER CLUTCH ADJUSTMENT

The unloading auger clutch may be adjusted with threaded rod "A". (See Illustration 21)

## SHEAR BOLTS

Shear bolts make a loud noise when they shear. This is your warning to stop the PTO immediately and determine the cause of the trouble.

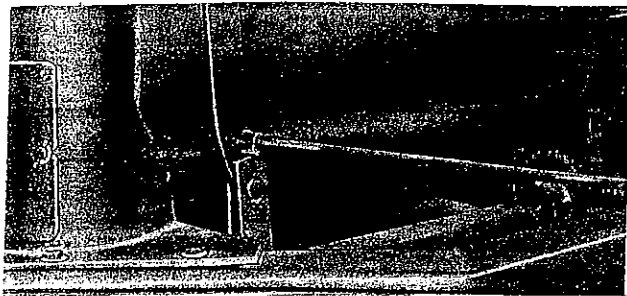


Illustration 21

When replacing shear bolts, always tighten them securely; they must not be loose. The shear bolts must be of the correct hardness to assure proper shearing. The correct bolts are  $\frac{3}{8}$ " x 1" for the mixer driven sprocket and  $\frac{1}{4}$ " x  $\frac{3}{4}$ " for the supplement hopper and mill to mixer drive sprockets. All shear bolts are mild steel. (See Illustration 22)

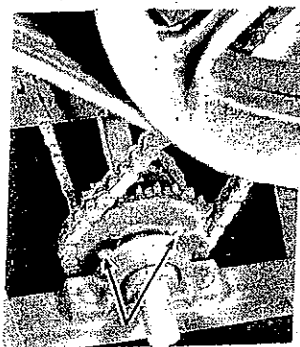


Illustration 22

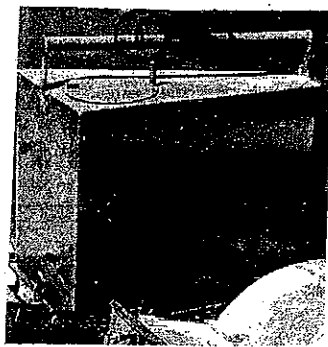


Illustration 23

#### MOLASSES ATTACHMENT (OPTIONAL EQUIPMENT)

Molasses can be mixed satisfactorily when mixer is one-third full of grain. Open valve "A" allowing molasses to flow into mill through mixer tube during the grinding process. (See Illustration 23)

When adding molasses to hay, use a  $\frac{3}{4}$  inch screen and add 300 to 400 pounds of shelled corn and 5 to 7 gallons of molasses to the batch. This will facilitate unloading.

#### TUBE SACKER ATTACHMENT (OPTIONAL EQUIPMENT)

The sacking of feed is easily accomplished with the Discharge Tube Sacker. To attach this unit, remove the unloading auger end section and attach the sacker in its place.

Lever "A": will divert the feed to the outlet desired, permitting continuous filling. (See Illustration 24)

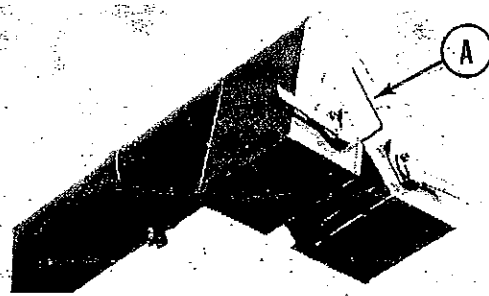


Illustration 24

#### MAGNET ATTACHMENT (OPTIONAL EQUIPMENT)

To protect livestock against metal particles such as bolts, wire, etc., from getting into the feed, magnets are available. The magnets also provide additional protection for the mill and mixer by lessening the possibility of damage. The magnets bolt beneath the mill hopper, just in front of the roll feed, as shown in Illustration 25.



Illustration 25

#### UNLOADING AUGER EXTENSIONS (OPTIONAL EQUIPMENT)

To install, remove unloading auger end section, slip extension auger on to main discharge auger and secure with set screws.

Slide extension tube over unloading tube and secure with clamp. Replace unloading auger end section. (See Illustration 26)



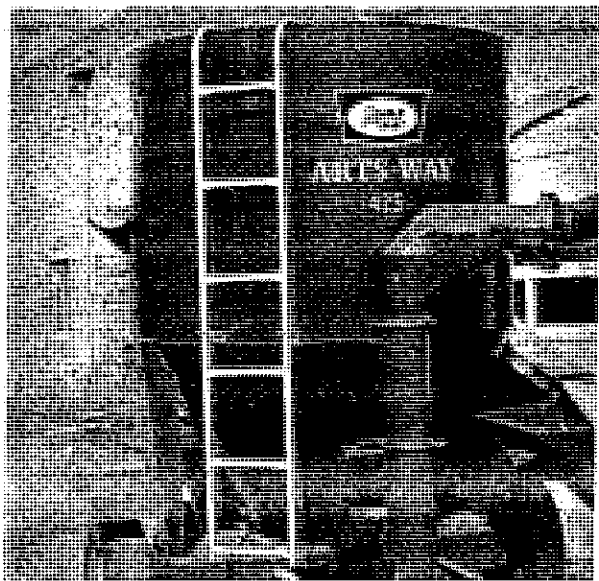
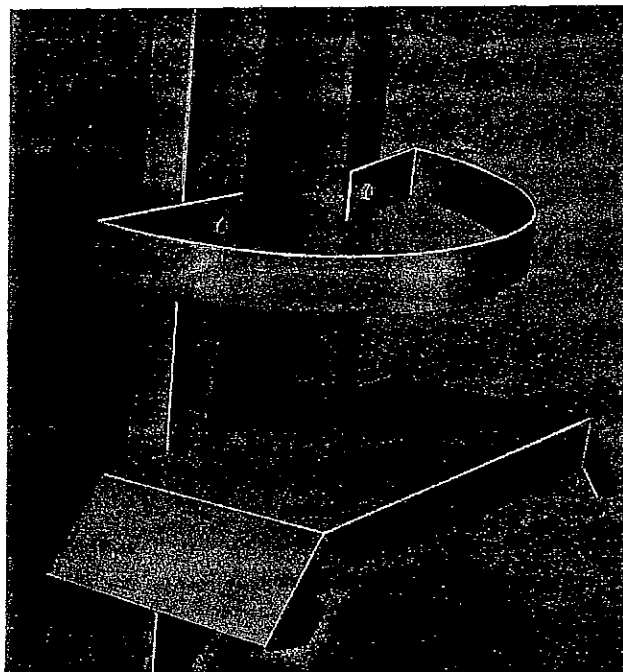
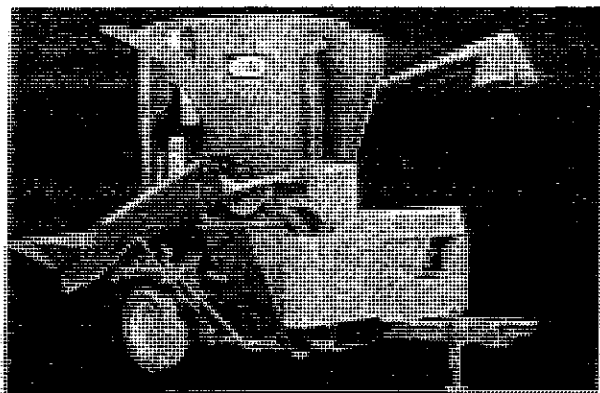
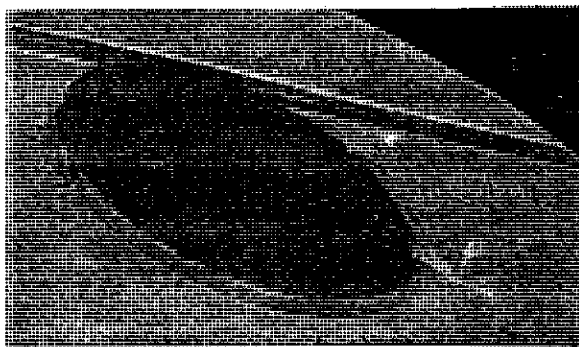
Illustration 26



## ADDITIONAL OPTIONS AVAILABLE

Your Arts-Way Portable Mixer and Mill may be further tailored to meet your requirements with the addition of the following optional attachments.

1. Arts-Way Corn Sheller.
2. Factory installed, one piece, unloading auger extensions.
3. Vertical unloading auger extension.
4. Flotation tires and different wheel sizes.
5. Ladder (To top of mixer tank).
6. Spring loaded tank lid.
7. Screen rack.



# LUBRICATION



GREASE



OIL

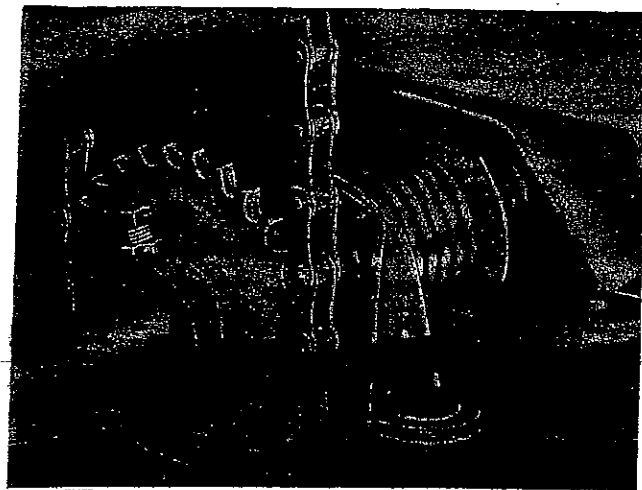
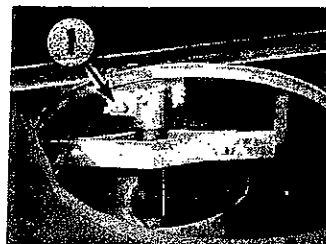
## DAILY OR AFTER 10 HOURS OF OPERATION

1. Upper vertical mixer auger  
(1 fitting)
2. Roll feed drive shaft  
( 2 fittings )
3. Auger drag drive sprocket  
( 1 fitting )
4. Grinder driven shaft  
( 2 fittings )

16. Lubricate gears in unloading auger transfer points.
17. Lubricate chains.
18. Lubricate jack.
19. Repack grease seal on mixing auger with gun grease, every six months.
20. Pack wheel roller bearings yearly, or when necessary.

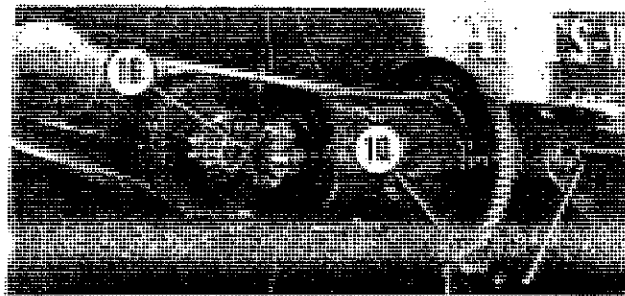
## WEEKLY OR AFTER 50 HOURS OF OPERATION

5. PTO shaft from tractor  
( 3 fittings )
6. Auger drag drive shaft  
( 2 fittings )
7. Grinder drive shaft  
( 2 fittings )
8. Lower vertical mixer auger  
( 1 fitting )
9. Mixer drive shaft  
( 1 fitting )

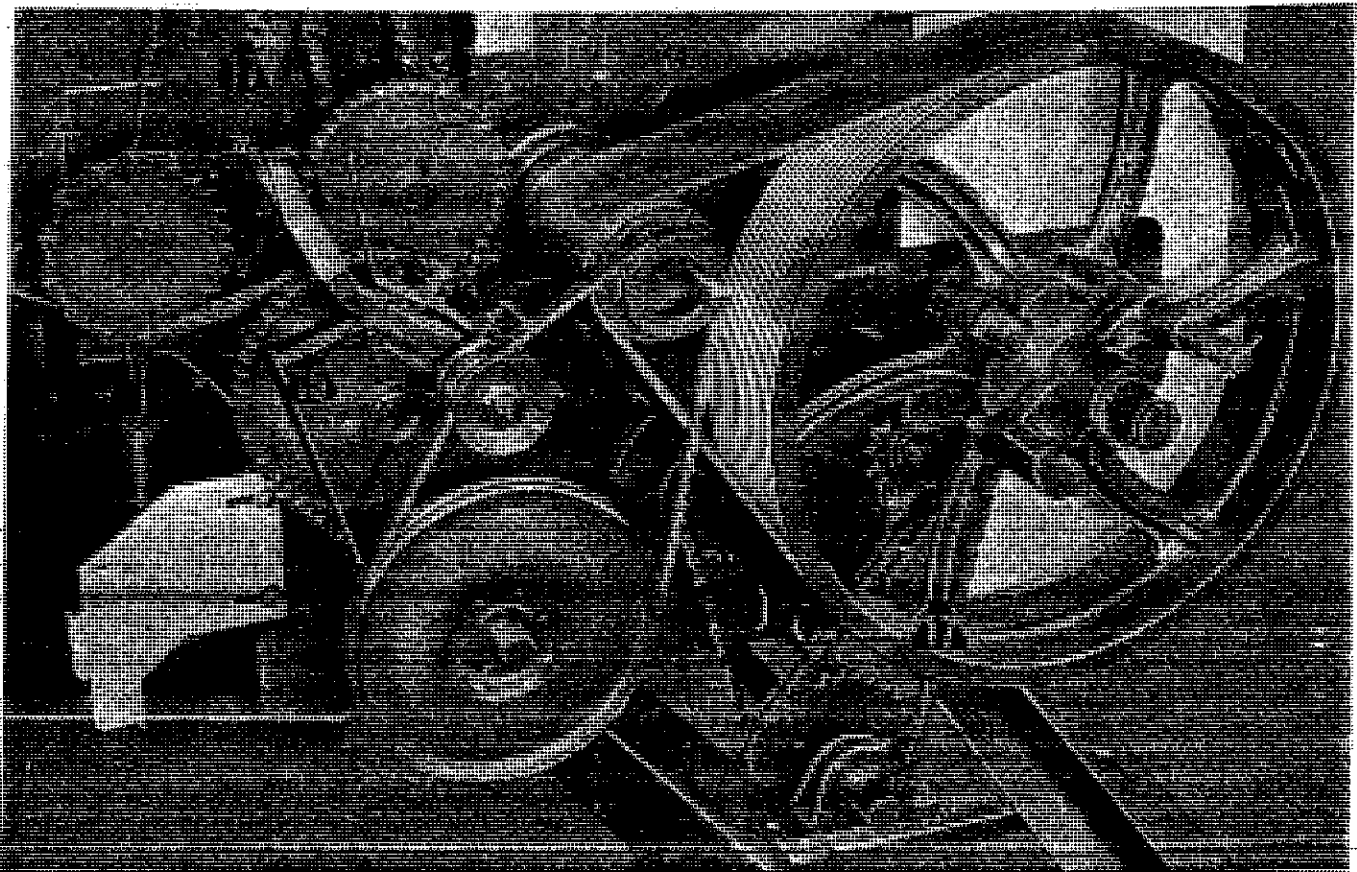
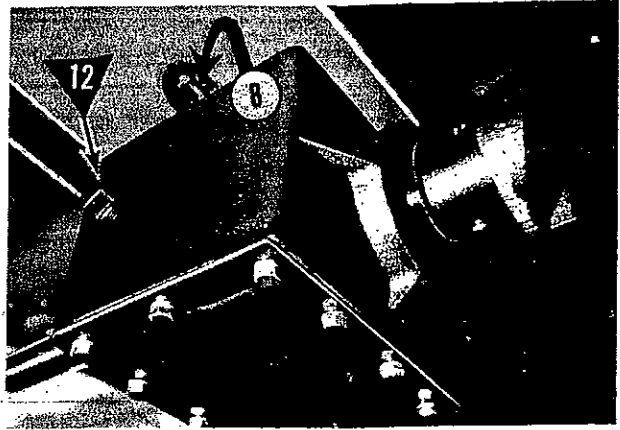
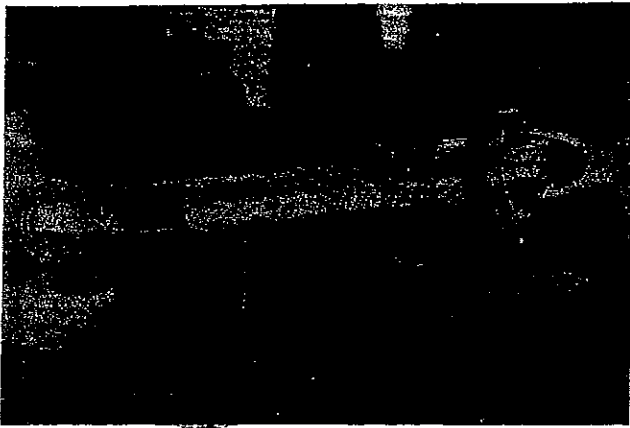


## PERIODICALLY

10. Keep unloading auger worm gear and ring gear lubricated.
11. Lubricate gears in auger drag transfer box.
12. Check gear box every six months.  
Add oil (SAE 90) if necessary.
13. Lubricate unloading auger clutch.
14. Lubricate grinder engaging pin.
15. Lubricate auger drag clutch control lever.

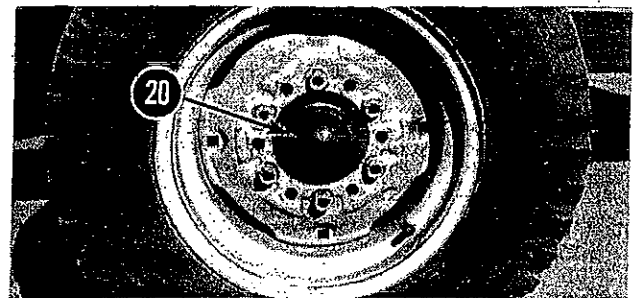
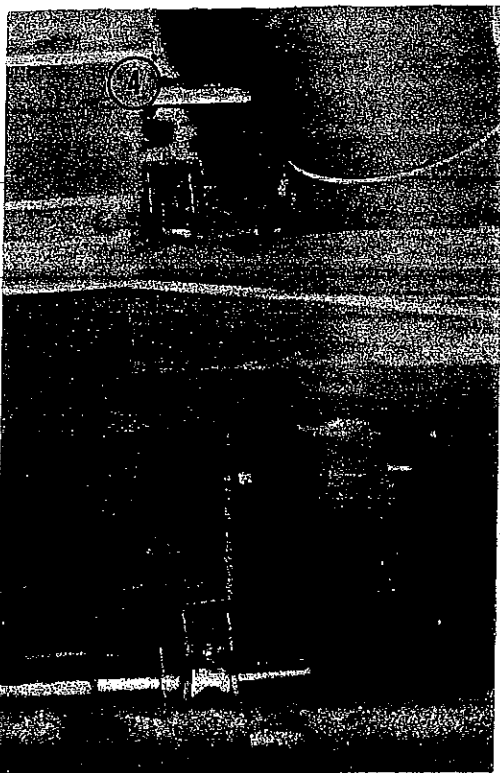
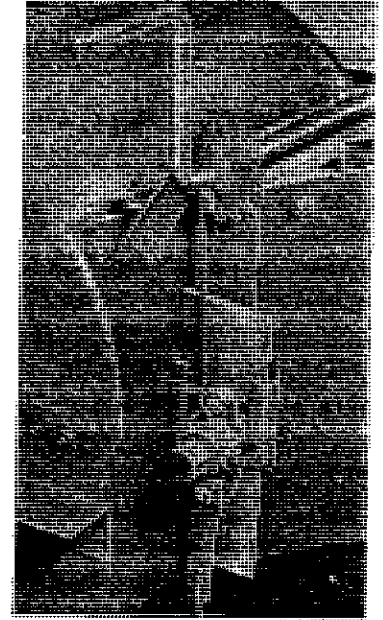
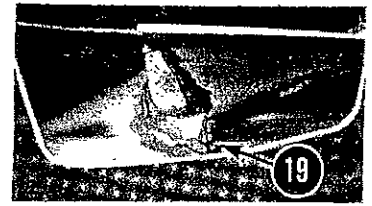
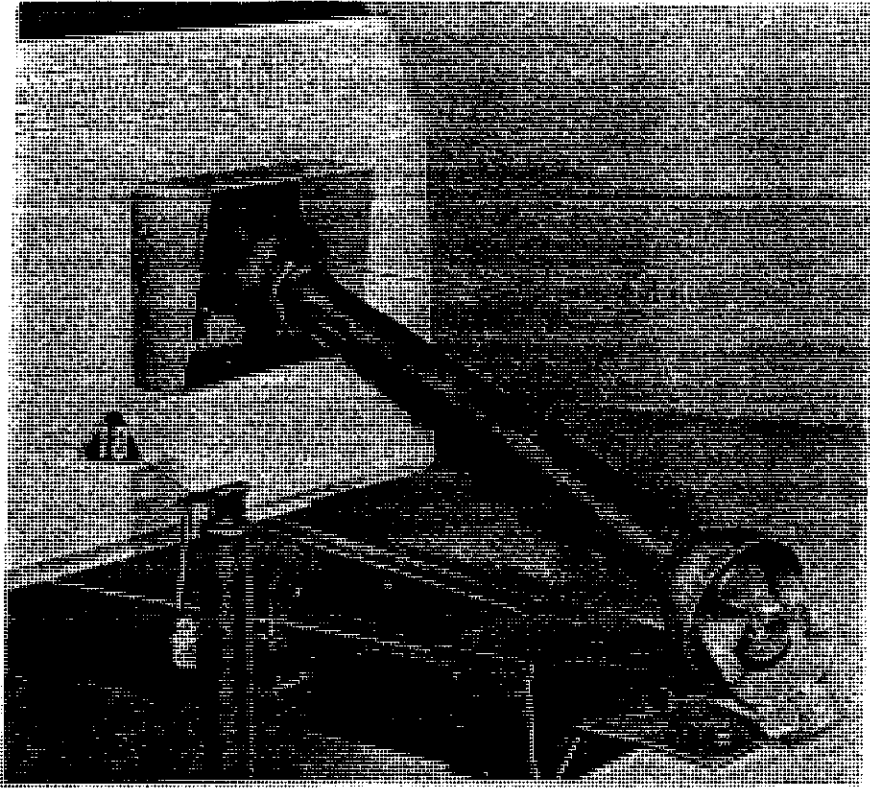


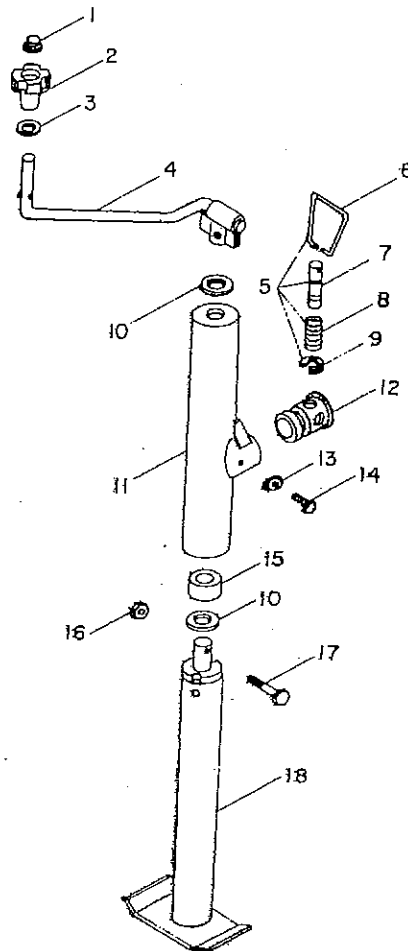
## LUBRICATION



It is the recommendation of the company that Arts-Way Gun Grease (Parts no. 42-0684) be used on this machine.

# LUBRICATION

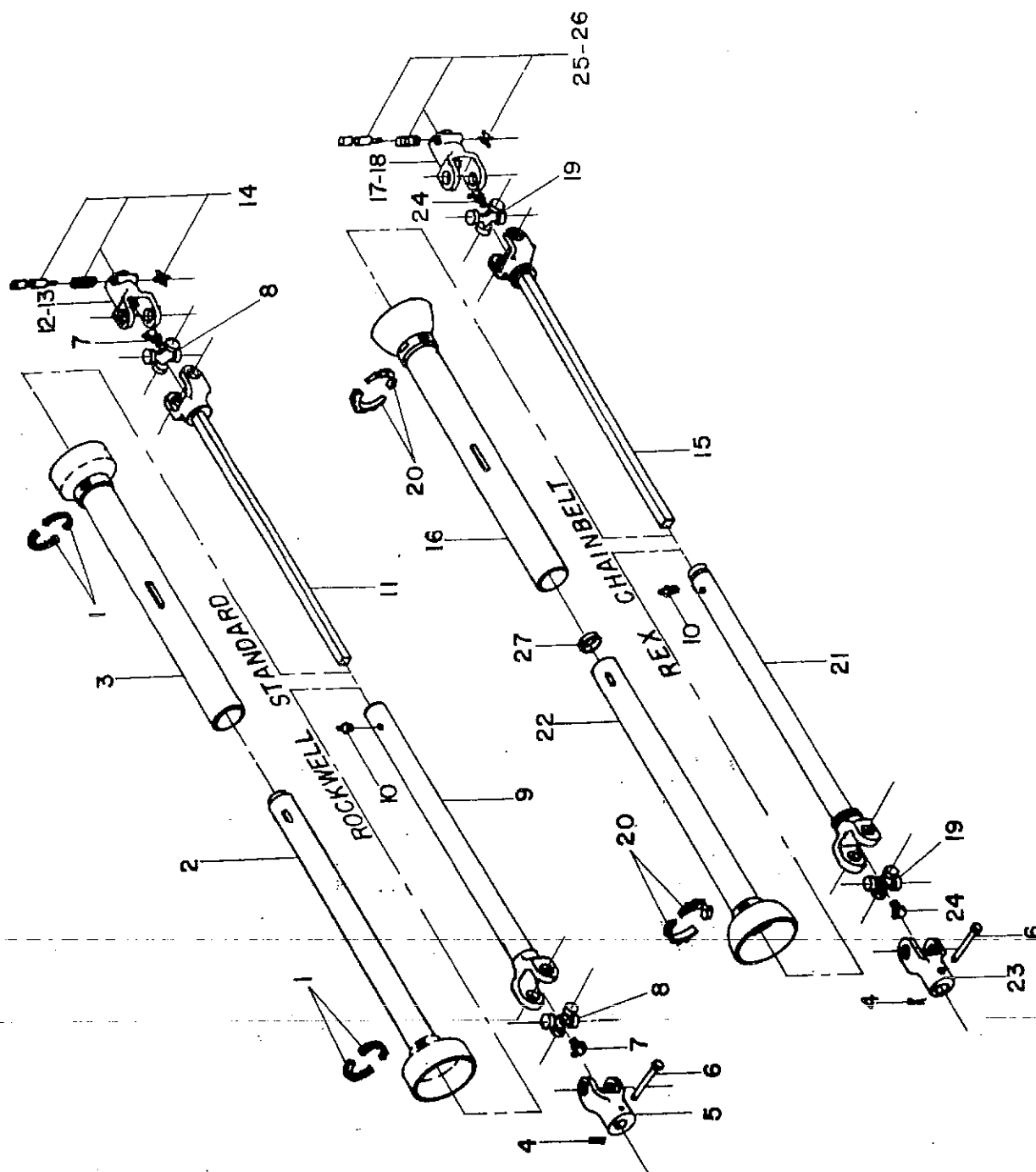




(19)

KEY	PART NUMBER	DESCRIPTION
1	03-4023	Spring steel grip keeper
2	15-4024	Swivel grip for handle
3	40-4025	Washer, 1/2" flat, special
4	15-4295	Handle with mounting bracket
5	20-4353	Kit, lock pin assembly, includes:
	35-4349	1 Pull Ring
	23-4350	1 Pin
	38-4245	1 Spring
	35-4352	1 Lock snap ring
6	36-4349	Pull ring for lock pin
7	23-4350	Lock pin plunger
8	38-4245	Spring
9	35-4352	Snap ring, special 1/2"
10	40-4293	Washer, 1/2" I.D. 1" O.D. 12 Ga.
11	18-4354	Outer tube
12	04-4357	Jack bracket, welds to frame
13	40-2944	Washer, 1/4" Lock
14	03-4358	Bolt, 1/4" x 3/8" Hex
15	01-4293	Bearing, 1/2" I.D. Nice No. 603
16	22-4237	Nut, 1/4" Hex Self Locking
17	03-4296	Bolt, 1/4" x 1" Hex
18	18-4359	Inner tube
19	18-4351	Jack complete assembly

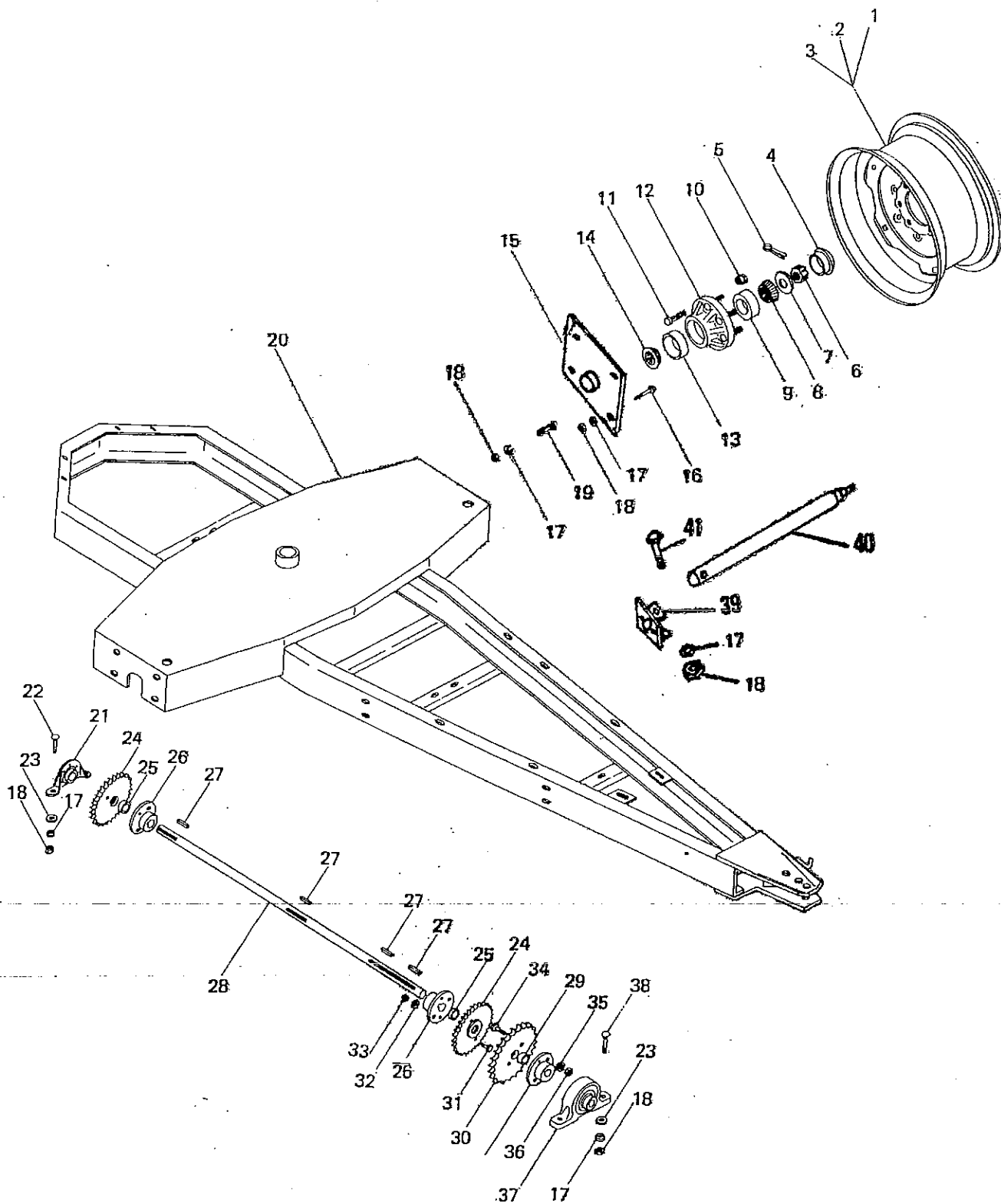
This jack is used after Serial No. 7323074, dated 2-12-73





## EXTRA HEAVY DUTY 44R (43" Closed Length)

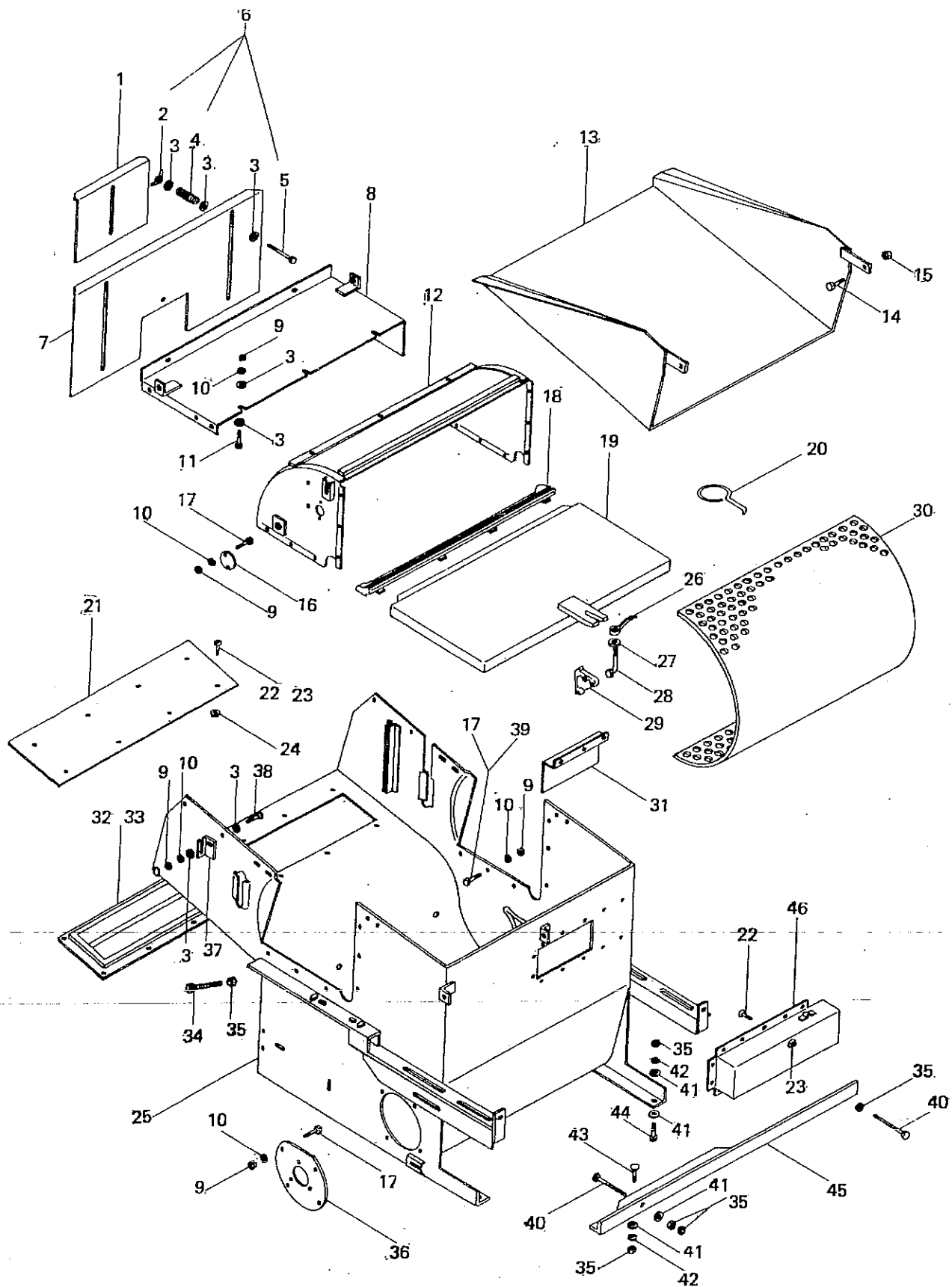
KEY	PART NUMBER	DESCRIPTION
	26-2863	Complete heavy duty power shaft, 1-5/8" Implement end, 540 RPM
	26-2864	Complete heavy duty power shaft, 1-5/8" End, 1-3/8" 21 spline, tractor end, 1000 RPM
	26-2866	1/2 heavy duty PTO, 1-3/8" 6 spline Tractor end 540 RPM
	26-2867	1/2 heavy duty PTO, 1-5/8" implement end.
	26-2868	1/2 heavy duty PTO, 1-3/8" 21 spline Tractor end, 1000 RPM
1	01-3280	Nylon shield support bearing (two pieces)
2	33-3281	Inner shield and bell
3	33-3282	Outer shield and bell
4	19-2070	Cotter key, 5/32" x 1"
5	26-2874	Implement yoke, 1-5/8" bore
6	23-2136	Clevis pin, 5/16" x 3-1/2"
7	24-3517	Grease fitting, 65° 1/8" pipe thread
8	20-2875	Center cross repair kit for 44R series
9	26-2871	Yoke, tube & sleeve assembly, Imp. end
10	42-1317	Grease fitting, straight, 1/8" pipe thread
11	26-2877	Yoke & shaft, 1-5/16" square, hardened
12	26-2878	Q.D. tractor yoke assembly, 1-3/8", 6 spline 540 RPM
13	26-2879	Q.D. tractor yoke assembly, 1-3/8", 21 spline 1000 RPM
14	26-2134	Lock pin, spring and lock assembly for 1000 RPM or 540 RPM
	REX CHAINBELT	
15	26-3932	Yoke and tractor shaft assembly
16	33-3933	Outer shield for 440 PTO
17	26-3934	Tractor yoke assembly 540 RPM
18	26-3935	Tractor yoke assembly 1000 RPM
19	20-3936	Cross and bearing kit
20	01-3937	Nylon shield bearings
21	26-3939	Yoke tube and sleeve
22	33-3940	Inner shield
23	26-3941	Implement yoke 1-5/8"
24	24-3517	Angle grease fitting
25	26-2134	Lock pin, spring and lock assembly for 1000 RPM yoke
26	26-1030	Lock pin, spring and lock assembly for 540 RPM yoke
27	01-3942	Center nylon bearing
	26-3938	Complete implement half assembly
	26-3931	Complete tractor half 540 RPM
	26-3930	Complete tractor half 1000 RPM
	26-3945	Tractor half less shield 540 RPM
	26-3947	Tractor half less shield 1000 RPM
	26-3946	Implement half less shield
	26-3943	Complete power shaft 540 RPM
	26-3944	Complete power shaft 1000 RPM







KEY	PART NUMBER	DESCRIPTION
1.	41-1659	Heavy Duty, 2500 Lb. Cap., 14 x 6 - 6 Bolt Wheel
2.	41-1655	Heavy Duty, 2500 Lb. Cap., 15 x 6 - 6 Bolt Wheel
	41-3299	Heavy Duty, 2800 Lb. Cap., 15 x 10 LBH - 6 Bolt Wheel
3.	41-1871	Heavy Duty, 3500 Lb. Cap., 15 x 8 - 6 Bolt Wheel
4.	41-3542	Hub Cap For 6 Bolt Hub
5.	19-2663	Cotter Key, 5/32" x 1 1/2"
6.	22-2071	3/4" Hex Slotted Nut
7.	40-2072	Spindle Washer
8.	01-1263	Outer Wheel Bearing
9.	01-1886	Outer Race For 01-1263 Bearing
10.	22-2073	Nut For Hub Stud
11.	22-2074	Stud For 6 Bolt Hub
12.	41-1653	6 Bolt Hub
13.	01-1885	Inner Race For 01-1652
14.	01-1652	Inner Bearing And Seal For 6 Bolt Hub
15.	04-3704	Spindle Mounting Bracket
16.	03-1073	Bolt, 1/2" x 1 1/4" Hex Cap, Plated
17.	40-0537	Washer, 1/2" Lock, Plated
18.	22-0536	Nut, 1/2" Hex, Plated
19.	03-1477	Bolt, 1/2" x 1 1/2" Hex Cap, Plated
20.	12-3543	Welded Frame Assembly
21.	01-3508	Bearing, Steel Pillow Block, 1 1/4"
22.	03-1811	Bolt, 1/2" x 1 1/2", Carriage, Plated
23.	40-0520	Washer, 1/2" Flat, Plated
24.	37-3920	Sprocket, 40A28, 1 1/4" Bore
25.	05-3370	Bushing, 1 1/4" I.D. x 1 1/2" O.D. x 1/4" Long
26.	10-2008	Shear Hub, 1 1/4" Bore
27.	19-2040	Key, 5/16" x 5/16" x 2"
28.	32-3544	Shaft, 1 1/4" x 55 1/2"
29.	05-2007	Bushing, Oilite, 1 1/4" I.D. x 1 1/2" O.D. x 1/2" Long
30.	37-4142	Sprocket, 60A28, 1 1/4" Bore
31.	03-1205	Bolt, 1/4" x 3/4", Hex Cap, Plated
32.	40-2944	Washer, 1/4" Lock, Plated
33.	22-2766	Nut, 1/4" Hex, Plated
34.	03-1226	Bolt, 3/8" x 1", Hex Cap, Plated
35.	03-2118	Washer, 3/8" Lock, Plated
36.	22-2726	Nut, 3/8" Hex, Plated
37.	01-3509	Bearing, Cast Pillow Block, 1 1/4"
38.	03-2539	Bolt, 1/2" x 1 3/4", Carriage, Plated
39.	04-4143	Rear Mounting Bracket
40.	32-4140	Spindle Shaft, 1 7/8" x 25 1/2" Long, With 1/2" Hole
41.	03-4141	Bolt, 1/2" x 3 1/4" Hex



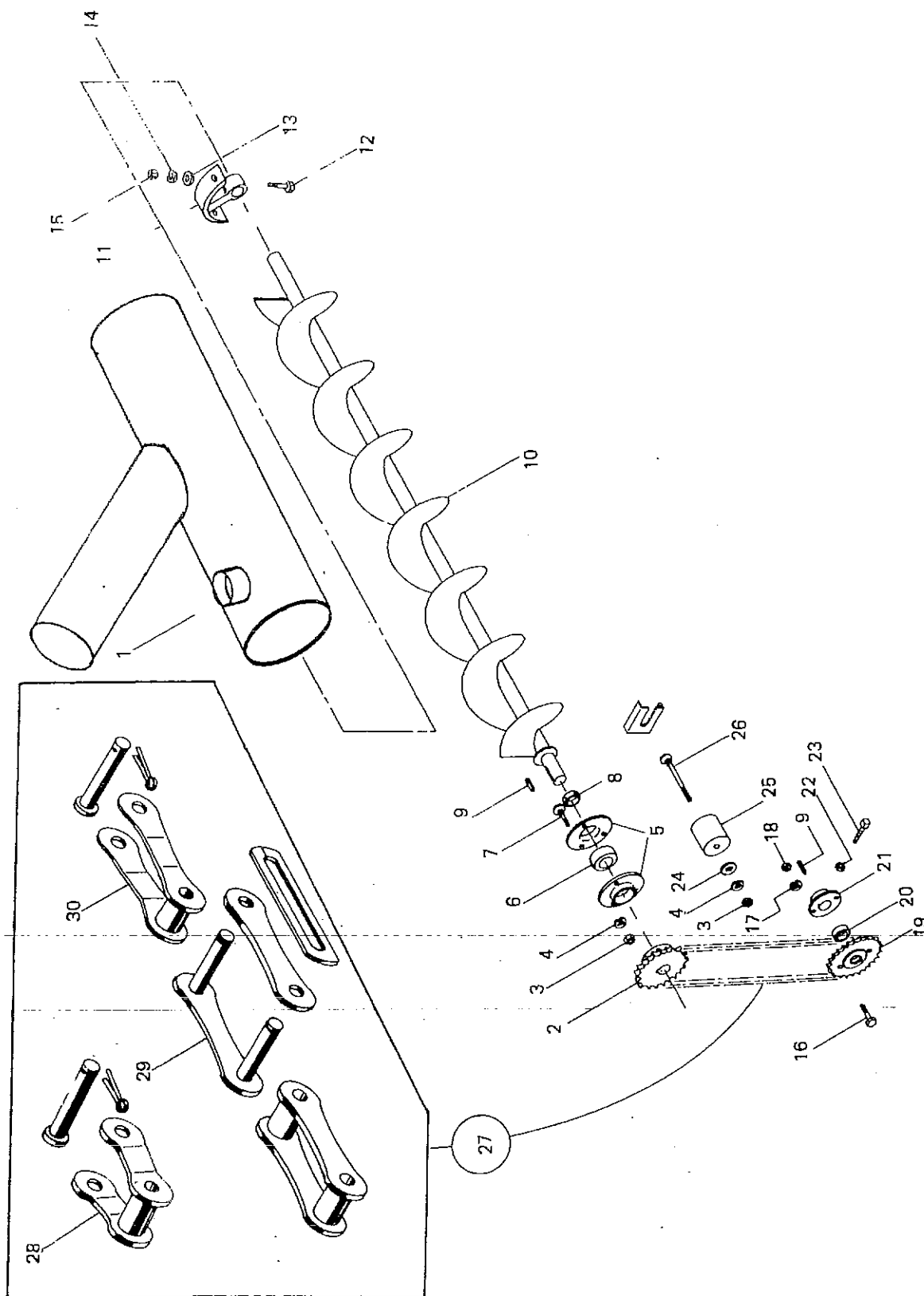


KEY	PART NUMBER	DESCRIPTION
1.	12-1307	Small Feed Control Gate
2.	22-0979	Wing Nut, 5/16", Plated
3.	03-2292	Washer, 5/16" Flat, Plated
4.	38-1308	Compression Spring
5.	03-0980	Bolt, 5/16" x 2 1/2", Hex Cap, Plated
6.	25-0981	Bolt, Wing Nut And Spring
7.	12-1309	Large Feed Control Gate
8.	16-0982	Cover, Throat
9.	22-2363	Nut, 5/16" Hex, Plated
10.	40-2362	Washer, 5/16" Lock, Plated
11.	03-2680	Bolt, 5/16" x 7/8", Hex Cap, Plated
12.	12-1291	Curved Mill Top
13.	33-1313	Folding Mill Hopper
14.	03-2242	Bolt, 3/8" x 3/4", Hex Cap, Plated
15.	22-2306	Nut, 3/8" Hex, Self Locking, Plated
16.	12-1292	Plate, Hammer Rod Removal
17.	03-1214	Bolt, 5/16" x 3/4", Hex Cap, Plated
18.	04-1305	Screen Bar A-43
19.	12-1306	Hammer Mill Lid
20.	42-1312	Screen Hook
21.	33-0977	Plate To Cover Magnet Hole
22.	03-2124	Bolt, 1/4" x 1/2", Truss Head, Plated
23.	03-3523	Bolt, 1/4" x 3/4", Truss Head, Plated (Use With Magnets Number 20-0974 And Number 20-0972)
24.	22-2327	Nut, 1/4" Whiz Lock, Plated
25.	16-3524	Main Hammer Mill Housing
	16-3656	Housing With Lower Angle After Serial Number 704559
26.	03-1310	7/16" Handle Nut
27.	40-2398	Washer, 7/16" Flat, Plated
28.	03-1311	Bolt, 7/16" x 4" With 90° Bend
29.	04-1304	Screen Bar Holder
30.	43-0481	3/32" Screen
	43-0482	1/8" Screen
	43-0483	5/32" Screen
	43-0484	3/16" Screen
	43-0485	1/4" Screen
	43-0486	5/16" Screen
	43-0487	3/8" Screen
	43-0488	7/16" Screen
	43-0489	1/2" Screen
	43-0490	5/8" Screen
	43-0491	3/4" Screen
	43-0492	7/8" Screen
	43-0493	1" Screen
	43-0494	1 1/4" Screen
	43-0495	1 1/2" Screen
	43-0496	2" Screen
31.	16-0978	Baffle In Mill
32.	20-0974	Magnet, 18", No. 4
33.	20-0972	Magnet, 18", No. 2
34.	03-3465	Bolt, 1/2" x 3 1/2", Hex Cap, Full Length Threads
35.	22-0536	Nut, 1/2" Hex, Plated
36.	04-3538	Bearing Holder And Auger Removal Plate
37.	04-3539	Mounting Bracket For Top Drag Drive Shield
38.	03-0590	Bolt, 5/16" x 1", Hex Cap, Plated
39.	03-3003	Bolt, 5/16" x 1 1/4", Hex Cap, Plated (Use With Screen Bar Holder Number 04-1304)
40.	03-1380	Bolt, 1/2" x 5", Hex Cap, Plated
41.	40-0520	Washer, 1/2" Flat, Plated
42.	40-0537	Washer, 1/2" Lock, Plated
43.	03-1811	Bolt, 1/2" x 1 1/2", Carriage, Plated
44.	03-1477	Bolt, 1/2" x 1 1/2" Hex Cap
45.	04-3395	Belt Tightener Angle
46.	16-1290	Blower Box, Bolts To Mill



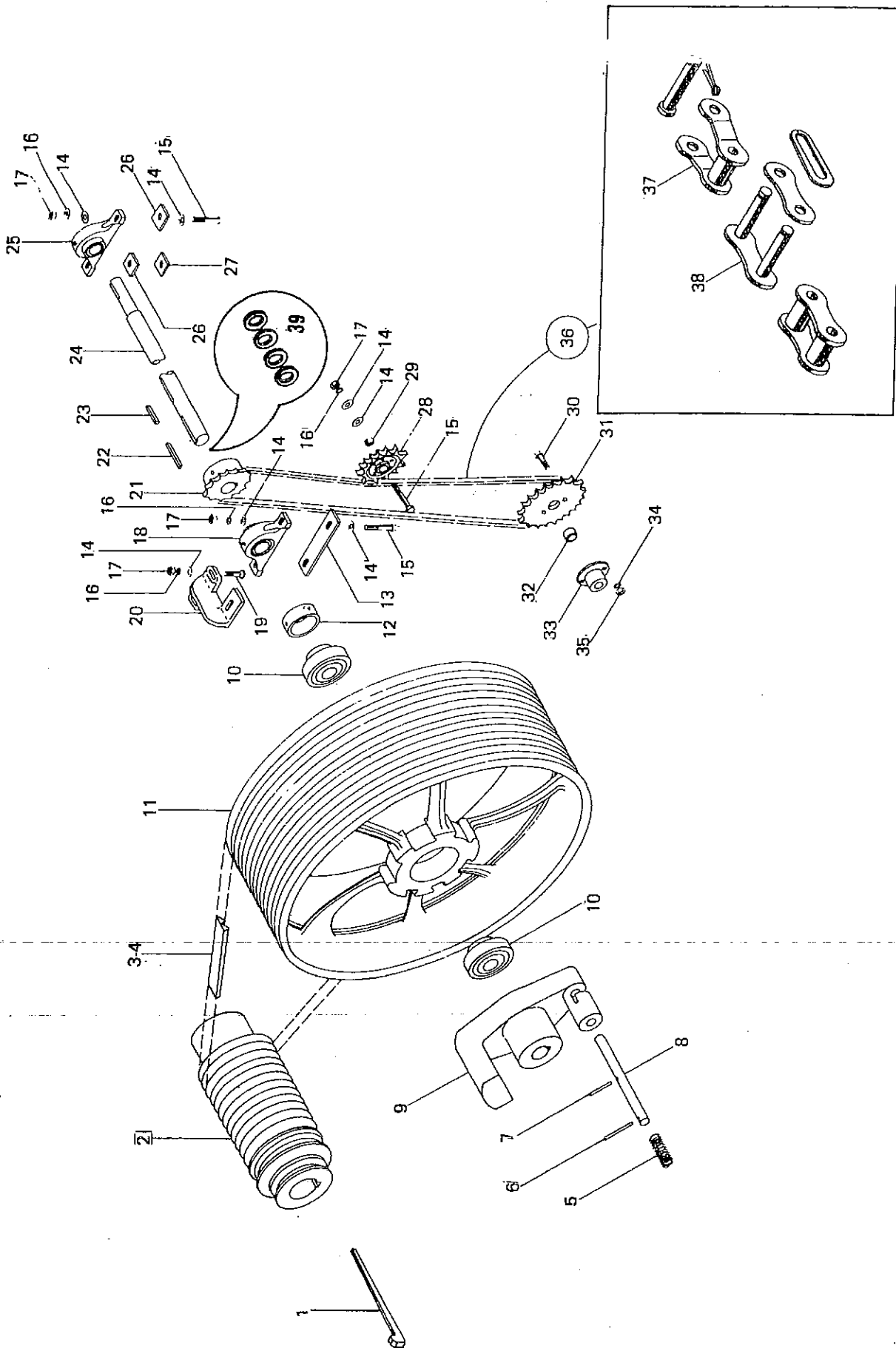


KEY	PART NUMBER	DESCRIPTION
1.	03-1343	Bolt, 5/8" x 2 1/4", H.T., Plated
2.	40-2043	Washer, 5/8" I.D. x 1 1/2" O.D., Plated
3.	01-1342	Bearing, 2" Pillow Block
4.	13-3515	Gasket, Seating
5.	40-2044	Washer, 5/8" Lock, Heavy, Plated
6.	22-2045	Nut, 5/8" Hex, Plated
7.	42-1352	Fan, Blower
8.	22-1353	Nut, 1 1/2" Hex
9.	40-2056	Washer, 1 1/2" I.D. x 2" O.D. x 10 Gage
10.	36-2046	Spacer, Cast (7 Used) (Not Sold Separately-Order 25-2057)
11.	36-2047	Spacer, Cast (2 Used) (Not Sold Separately-Order 25-2057)
12.	19-1351	Key, 3/8" x 3/8" x 1 1/4"
13.	29-1347	Rod, 3/4" x 18", Hardened (4 Used)
14.	11-1350	Hammers, Set of 36 (Balanced)
15.	11-1397	Hammers, Set of 2 (Balanced)
16.	36-1348	Spacers, 3/4" Pipe x 5/8" Long (36 Used)
17.	32-1354	Shaft, 2 1/4", Machined (Not Sold Separately)
18.	36-1349	Spacers, 3/4" Pipe x 1 1/4" Long (18 Used)
19.	36-0908	Rotor Plates (10 Used)
20.	23-1346	Expanspin, 1/4" x 1 1/4" (8 Used)
21.	22-1344	Special 2 1/4" Hex Nut (Not Sold Separately)
22.	40-3521	Washer, 5/8" I.D. x 1 5/16" O.D., Plated
23.	01-1395	Special 2", Heavy Duty, Long Life, Spherical Bearing
24.	27-1340	Pulley, 14 Groove
25.	19-1341	Gib Head Key
26.	25-2057	Shaft, Rotor Plate, Cast Spacers, And 2 1/4" Nuts- Sold Assembled In Balanced Unit Only. Consists Of Parts Numbers ...32-1354, 36-0908, 36-2046, 36-2047, And 22-1344





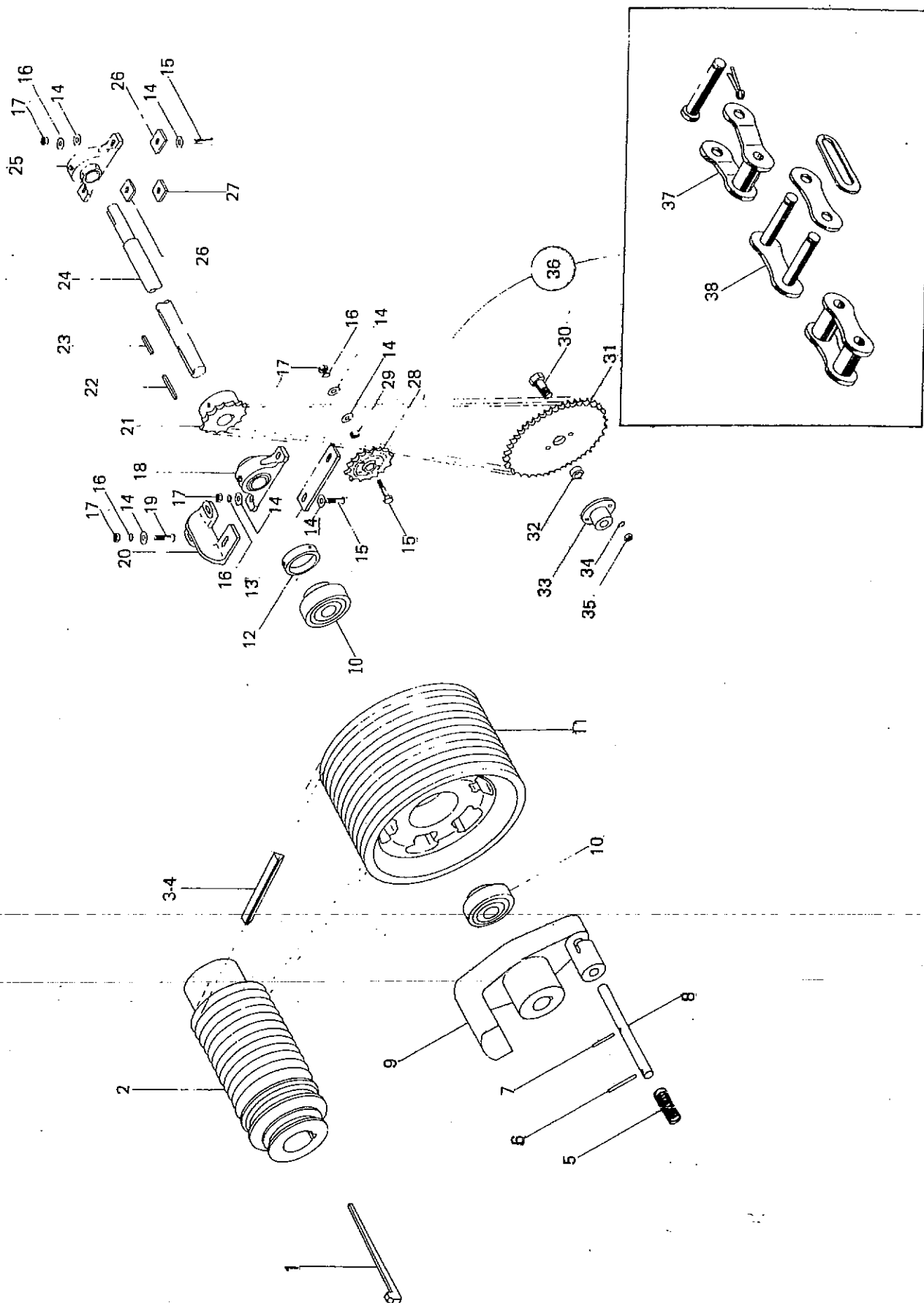
KEY	PART NUMBER	DESCRIPTION
1.	12-3913	Mill To Mixer Tube
2.	37-2186	Sprocket, 40B24, 1 1/8" Bore
3.	22-2726	Nut, 3/8" Hex, Plated
4.	03-2118	Washer, 3/8" Lock, Plated
5.	01-1915	Flange, 10 Gage (2 Required)
6.	01-2023	Bearing, 1 1/8"
7.	03-2017	Bolt, 3/8" x 1", Carriage, Plated
8.	01-2010	Collar, Lock
9.	19-2022	Key, 5/16" x 5/16" x 1 1/4"
10.	45-3526	Mill To Mixer Auger
	45-3826	Mill To Mixer Auger 3" Longer Used After Serial Number 719495
11.	01-2020	Nylon "T" Bearing
12.	03-0590	Bolt, 5/16" x 1", Hex Cap, Plated
13.	03-2292	Washer, 5/16" Flat, Plated
14.	40-2362	Washer, 5/16" Lock, Plated
15.	22-2363	Nut, 5/16" Hex, Plated
16.	03-1205	Bolt, 1/4" x 3/4", Hex Cap, Plated
17.	40-2944	Washer, 1/4" Lock, Plated
18.	22-2766	Nut, 1/4" Hex, Plated
19.	37-3920	Sprocket, 40A28, 1 1/4" Bore
20.	05-3370	Bushing, 1 1/4" I.D. x 1 1/2" O.D. x 1/4" Long, Oilite
21.	10-2008	Shear Hub, 1 1/4" Bore
22.	22-3350	Nut, 5/16" Jam, Plated
23.	03-3351	Screw, 5/16" x 3/4", Square Head
24.	03-2119	Washer, 3/8" Flat, Plated
25.	42-4144	Block, Oil Treated Wood
26.	03-4145	Bolt, 3/8" x 2", Carriage, Plated
27.	08-3527	Chain, 2040 - 34 Pitches Including 1 Offset, 2 Connectors And 1 RC40 Offset
	08-3775	Chain, 2040 - 34 Pitches Including 2 - 2040 Offsets And 2 Connectors
28.	08-1328	Offset Link, RC 40
29.	08-1327	Connector Link With Spring Clip
30.	08-1338	Offset Link, A2040







KEY	PART NUMBER	DESCRIPTION
1.	19-1341	3/8", Gib Head, Tapered Key
2.	27-1340	4", 14 Groove Pulley
3.	02-1361	Matched Set Of Twelve 3V800 Belts
	02-1362	Single 3V800 Belt (Not Sold Separately Unless Belt Lot Number Is Known)
4.	02-2108	Matched Set of Six Bands Of Two 3V800 Belts Bonded Together
	02-2109	Single Band Of Two 3V800 Belts Bonded Together (Not Sold Separately Unless Belt Lot Number is Known)
5.	38-1358	Spring, 3/4" x 2", Compression
6.	23-1360	Expanpin, 1/4" x 2"
7.	23-1346	Expanpin, 1/4" x 1 1/4"
8.	23-1359	3/4" Locking Pin
9.	26-1386	Drive Clutch Device
10.	01-1393	Bearing, 1 5/8" (2 Required)
11.	27-1675	22", V-Belt Pulley, 12 Groove
12.	01-1394	Lock Collar For 1 5/8" Bearing (Used On Rear Bearing Only)
13.	04-3582	Front Jack Shaft Bearing Brace
14.	40-0520	Washer, 1/2" Flat, Plated
15.	03-0708	Bolt, 1/2" x 2 1/2", Hex Cap, Plated
16.	40-0537	Washer, 1/2" Lock, Plated
17.	22-0536	Nut, 1/2", Hex, Plated
18.	01-1396	Bearing, 1 5/8", Pillow Block
19.	03-3047	Bolt, 1/2" x 1 1/4" Carriage, Plated
20.	04-1363	Cast Holding Bracket For Bearing
21.	37-4147	Sprocket, 60B16, 1 5/8" Bore
22.	19-1369	Key, 3/8" x 3/8" x 5"
23.	19-1370	Key, 3/8" x 3/8" x 1"
24.	32-1398	1 5/8" x 39" Jack Shaft, 1 7/16" On Rear End
25.	01-1367	Bearing, 1 7/16", Pillow Block
26.	36-3578	Shim, 1/4" Thick
27.	36-3579	Shim, 3/8" Thick
28.	37-1384	Sprocket, 60-15 Idler With Bearing
29.	36-3580	Spacer, 5/8" Black Pipe x 5/16" Long
30.	03-1226	Bolt, 3/8" x 1", Hex Cap, Plated
31.	37-4142	Sprocket, 60A28, 1 1/4" Bore
33.	10-2008	Shear Hub, 1 1/4" Bore
34.	03-2118	Washer, 3/8" Lock, Plated
35.	22-2726	Nut, 3/8", Hex, Plated
36.	08-4150	AG 60 Chain 70 Pitches
37.	08-1013	Offset Link
38.	08-1012	Connector Link With Spring Clip
39.	40-4146	Washer, 1 5/8" I.D. x 2" O.D. - 10 Gage

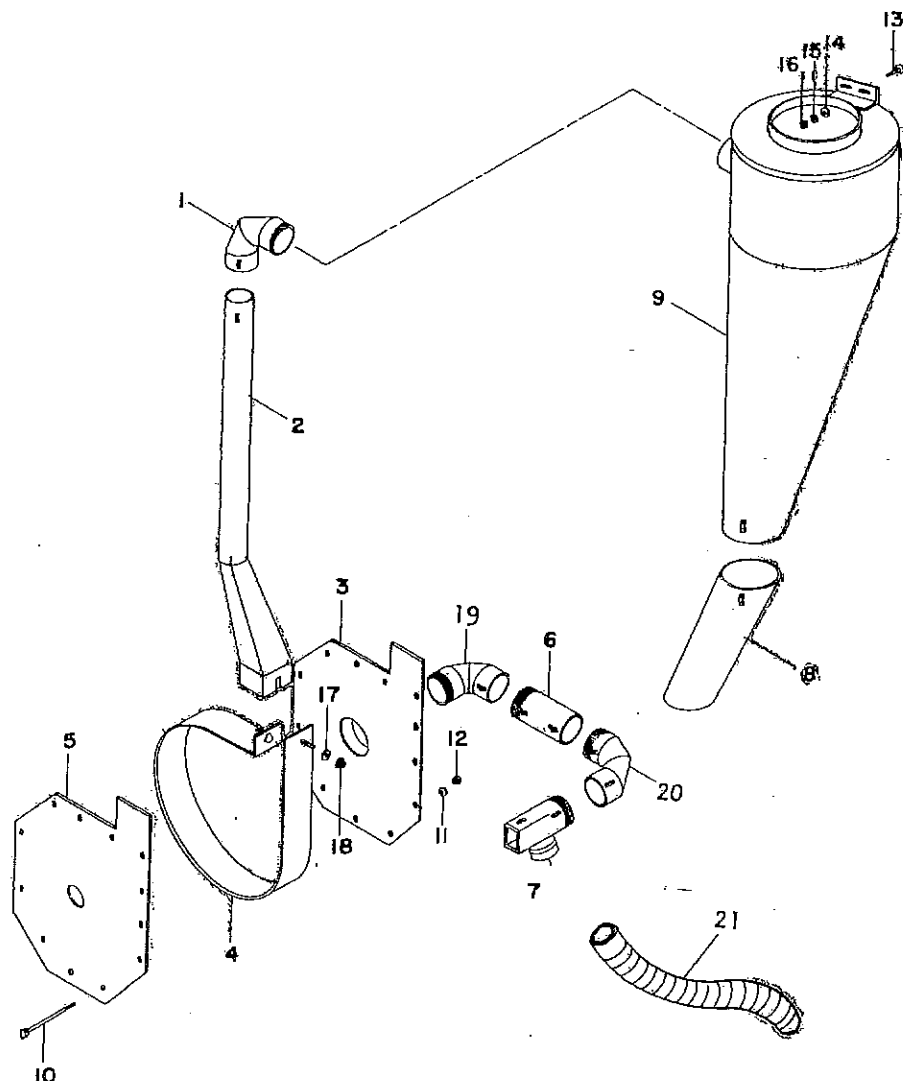




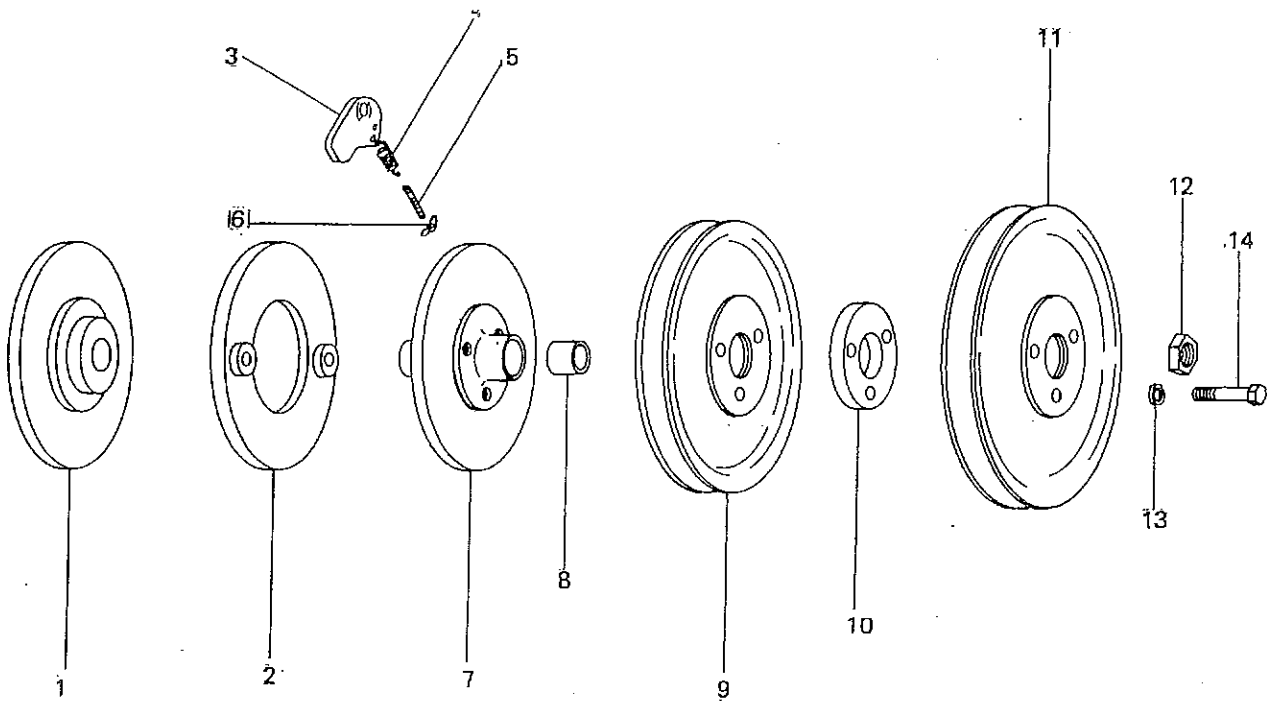
KEY	PART NUMBER	DESCRIPTION
1.	19-1341	3/8", Gib Head, Tapered Key
2.	27-1340	4", 14 Groove Pulley
3.	02-1390	Matched Set Of Twelve 3V600 Belts
	02-3588	Single 3V600 Belt (Not Sold Separately Unless Belt Lot Number Is Known)
4.	02-2128	Matched Set Of Six Bands Of Two 3V600 Belts Bonded Together
	02-2129	Single Band Of Two 3V600 Belts Bonded Together (Not Sold Separately Unless Belt Lot Number Is Known)
5.	38-1358	Spring 3/4" x 2", Compression
6.	23-1360	Expanspin, 1/4" x 2"
7.	23-1346	Expanspin, 1/4" x 1 1/4"
8.	23-1359	3/4" Locking Pin
9.	26-1386	Drive Clutch Device
10.	01-1393	Bearing 1 5/8" (2 Required)
11.	27-1387	12 5/16", V-Belt Pulley, 12 Groove
12.	01-1394	Lock Collar For 1 5/8" Bearing (Used On Rear Bearing Only)
13.	36-3030	Front Jack Shaft Bearing Brace
14.	40-0520	Washer, 1/2" Flat, Plated
15.	03-0708	Bolt, 1/2" x 2 1/2", Hex Cap, Plated
16.	40-0537	Washer, 1/2" Lock, Plated
17.	22-0536	Nut, 1/2", Hex Plated
18.	01-1396	Bearing, 1 5/8", Pillow Block
19.	03-3047	Bolt, 1/2" x 1 1/4", Carriage, Plated
20.	04-1363	Cast Holding Bracket For Bearing
21.	37-1852	Sprocket, 50B15, 1 5/8" Bore
22.	19-1369	Key, 3/8" x 3/8" x 5"
23.	19-1370	Key, 3/8" x 3/8" x 1"
24.	32-1398	1 5/8" x 39" Jack Shaft, 7/16" On Rear End
25.	01-1367	Bearing, 1 7/16", Pillow Block
26.	36-3578	Shim, 1/4"
27.	36-3579	Shim, 3/8"
28.	37-2185	Sprocket, 50-17 Idler With Bearing
29.	36-3580	Spacer, 5/8" Black Pipe x 5/16" Long
30.	03-1226	Bolt, 3/8" x 1", Hex Cap, Plated
31.	37-3918	Sprocket, 50A48, 1 1/4" Bore
33.	10-2008	Shear Hub, 1 1/4" Bore
34.	03-2118	Washer, 3/8" Lock, Plated
35.	22-2726	Nut, 3/8", Hex, Plated
36.	08-3669	AG 50 Chain 91 Pitches
37.	08-1377	Offset Link
38.	08-1376	Connector Link With Spring Clip



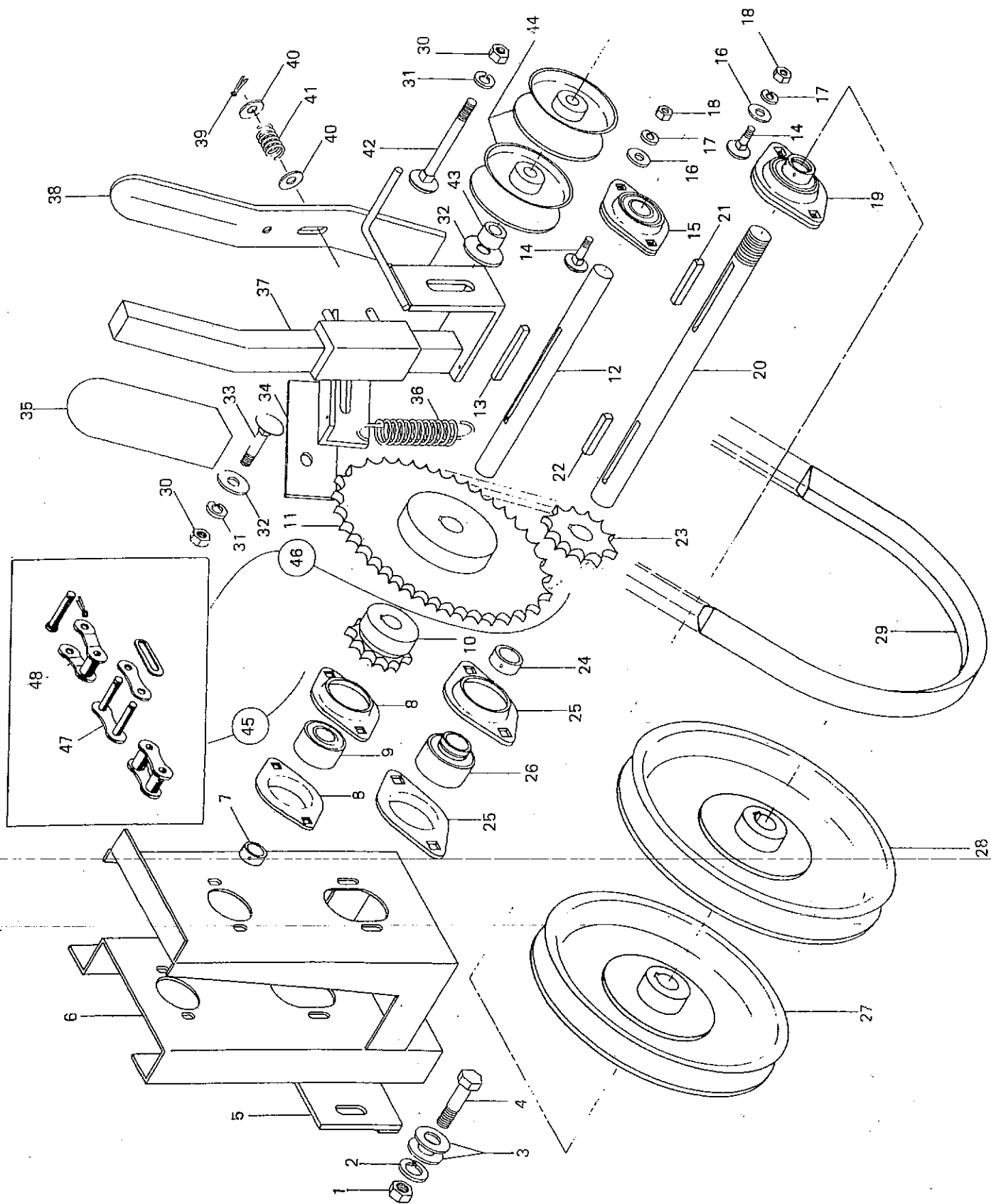
# MILL-DUST COLLECTOR ASSEMBLY



KEY	PART NUMBER	DESCRIPTION
1.	24-1278	4" Pipe Elbow With Brackets
2.	24-3559	Pipe From Blower To Dust Collector
3.	16-1284	Fan Housing - Outside
4.	16-1281	Circular Fan Housing
5.	16-1283	Fan Housing - Next To Mill
6.	24-1286	4" Blower Pipe - 8 1/2" Long
7.	24-3911	4" Blower Pipe - Square On One End With 2" Pipe
8.	24-3560	Coupler Pipe From Dust Collector To Mill To Mixer Tube
9.	12-1279	Dust Collector
10.	03-1282	Bolt, 5/16" x 5", Hex Cap, Plated
11.	40-2362	Washer, 5/16" Lock, Plated
12.	22-2363	Nut, 5/16" Hex, Plated
13.	03-3518	Bolt, 3/8" x 1 1/4", Carriage, Plated
14.	03-2119	Washer, 3/8" Flat, Plated
15.	03-2118	Washer, 3/8" Lock, Plated
16.	22-2726	Nut, 3/8" Hex, Plated
17.	03-2292	Washer, 5/16" Flat, Plated
18.	22-2019	Nut, 5/16" Whiz Lock, Plated
19.	24-3948	Elbow 4" With Brackets
20.	24-3949	Elbow 4" With Brackets
21.	42-3912	Rubber Hose 2" I.D.

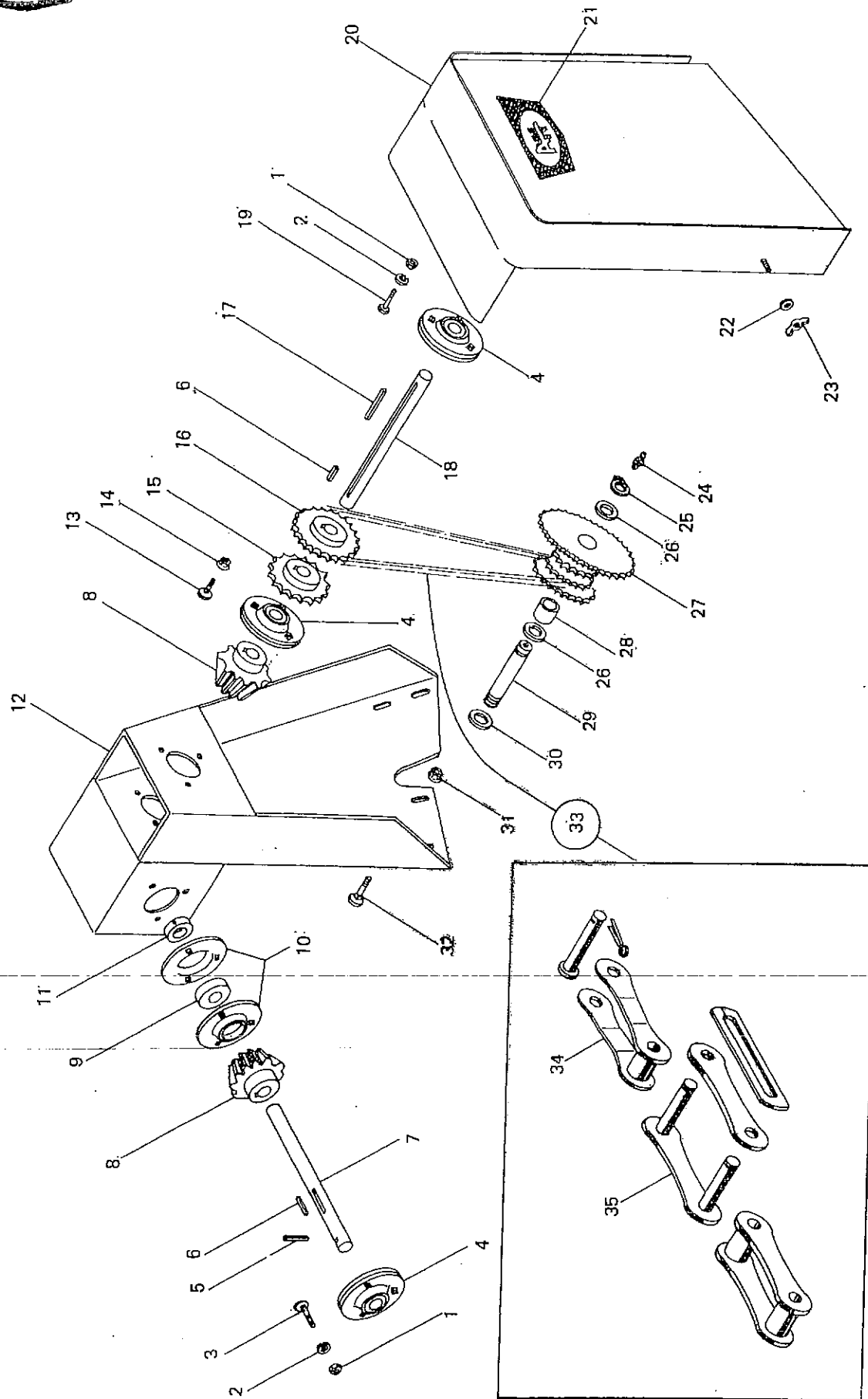


KEY	PART NUMBER	DESCRIPTION
1.	26-1703	Plate, Governor Driven
2.	26-1704	Plate, Pressure Drive
3.	26-1707	Weight, Governor
4.	38-1706	Spring, 109 Extension
5.	03-1705	Bolt, 1/4" x 2", With 1/8" Hole
6.	22-1253	Wing Nut, 1/4", Plated
	22-3755	Self Locking Nut 1/4"
7.	26-1708	Plate, Governor Drive
8.	05-1316	Bushing, 1" x 1 1/4" x 1 1/4" - 2 Required
9.	27-1709	Pulley, 9"
10.	36-1710	Spacer, Pulley
11.	27-1711	Pulley, 10"
12.	22-1713	Nut, 1" 14 SAE, Jam
13.	40-2362	Washer, 5/16" Lock, Plated
14.	03-1712	Bolt, 5/16" x 2", Hex Cap, Plated
15.	20-1700	Complete Governor Unit





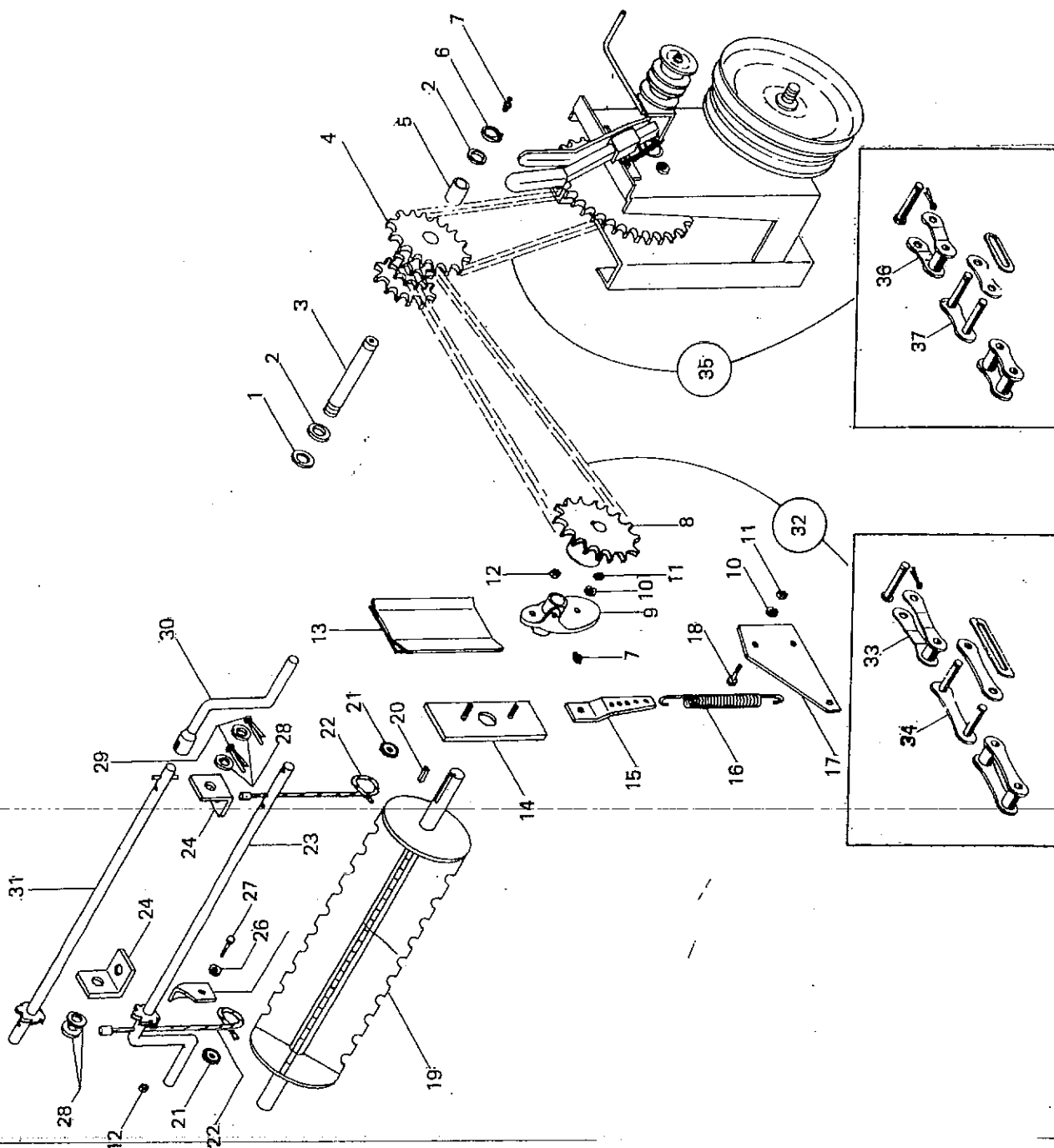
KEY	PART NUMBER	DESCRIPTION
1.	22-0536	Nut, 1/2" Hex, Plated
2.	40-0537	Washer, 1/2" Lock, Plated
3.	40-0520	Washer, 1/2" Flat, Plated
4.	03-1477	Bolt, 1/2" x 1 1/2", Hex Cap, Plated
5.	36-1478	Shim For Bottom Drive Unit
6.	12-1479	Bottom Drive Unit
7.	01-0857	Lock Collar For 3/4" Bearing
8.	01-0858	Flange, 2 Hole, For 3/4" Bearing
9.	01-2168	Bearing, 3/4"
10.	37-1484	Sprocket, 40B10, 3/4" Bore
11.	37-1485	Sprocket, 40B54, 3/4" Bore
12.	32-1483	Shaft, 3/4" x 6"
13.	19-4148	Key, 3/16" x 3/16" x 2 1/4"
14.	03-1241	Bolt, 5/16" x 3/4", Carriage, Plated
15.	01-1480	Bearing, Lock Collar And Flanges (Complete 3/4" Unit)
16.	03-2292	Washer, 5/16" Flat, Plated
17.	40-2362	Washer, 5/16" Lock, Plated
18.	22-2363	Nut, 5/16" Hex, Plated
19.	01-1490	Bearing, Lock Collar And Flanges (Complete 1" Unit)
20.	32-1491	Shaft, 1" x 11"
21.	19-1492	Key, 1/4" x 1/4" x 2 1/2"
22.	19-1000	Key, 1/4" x 1/4" x 1"
23.	37-1494	Sprocket, 40B13, 1" Bore
24.	01-1230	Lock Collar For 1" Bearing
25.	01-2169	Flange, 2Hole, For 1" Bearing
26.	01-1231	Bearing, 1"
27.	27-1489	2900 V-Pulley, 1" Bore
28.	27-1488	3100 V-Pulley, 1" Bore
29.	02-1487	4L460 Belt
30.	22-2726	Nut, 3/8" Hex, Plated
31.	03-2118	Washer, 3/8" Lock, Plated
32.	03-2119	Washer, 3/8" Flat, Plated
33.	03-2017	Bolt, 3/8" x 1", Carriage, Plated
34.	36-3555	Shim For Belt Tightener And Clutch Unit
35.	42-1467	Plastic Grip For Clutch Handle
36.	38-1472	Spring, 1/2" x 3", Extension
37.	09-1468	Belt Tightener And Clutch Unit
38.	09-1469	Clutch Lock
39.	19-2837	Cotter Key, 3/32" x 1"
40.	40-2326	Washer, 1/4" Flat, Plated
41.	38-1470	Spring
42.	03-3554	Bolt, 3/8" x 2 3/4", Carriage, Plated
43.	36-3346	Spacer, 3/8" x 9/16" x 9/32"
44.	27-1118	V-Belt, Idler Pulley
45.	08-1481	Chain, RC40, 52 Pitch, Including Connector
46.	08-1493	Chain, RC40, 62 Pitch, Including Connector
47.	08-1329	Connector Link With Spring Clip
48.	08-1328	Offset Link





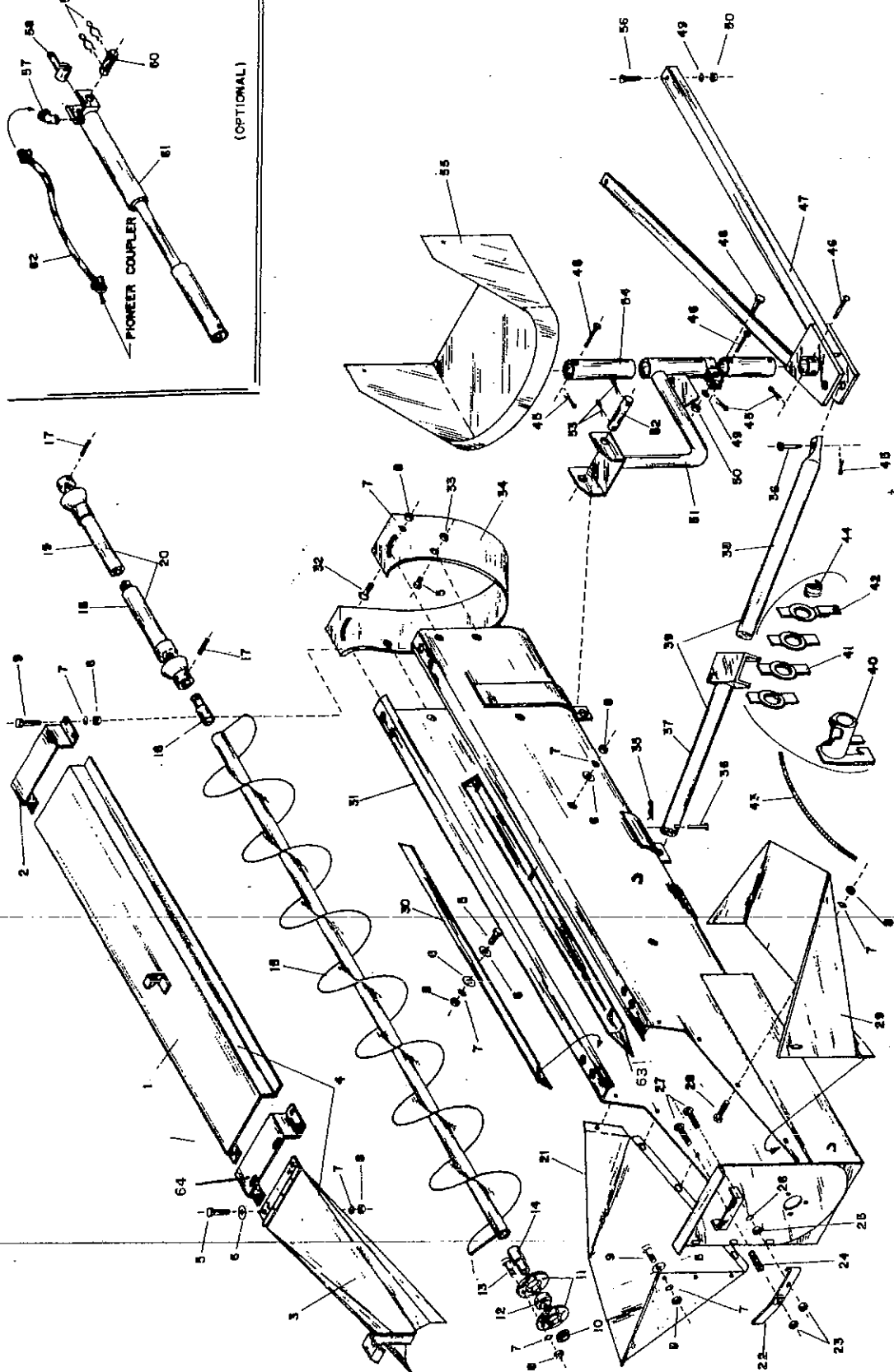
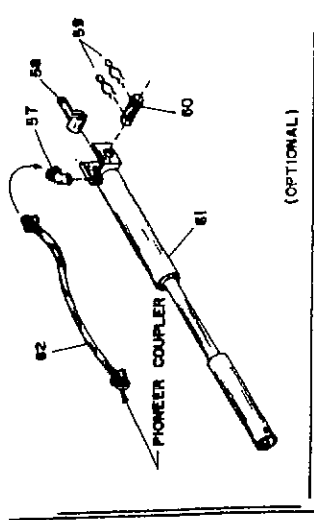


KEY	PART NUMBER	DESCRIPTION
1.	22-2363	Nut, 5/16" Hex, Plated
2.	40-2362	Washer, 5/16" Lock, Plated
3.	03-3297	Bolt, 5/16" x 1", Carriage, Plated
4.	01-1130	Bearing, Flanges And Collar (Complete 1" Unit)
5.	23-1401	5/16" x 1 5/8" Expanpin
6.	19-1000	Key, 1/4" x 1/4" x 1"
7.	32-1476	1" x 9" Shaft
8.	14-1232	Gear, 14 Tooth, A-14
9.	01-1231	Bearing
10.	01-1233	Flange
11.	01-1230	Collar, Lock
12.	12-3528	Top Drive Unit - Bolts To Hammer Mill
13.	03-3529	Bolt, 5/16" x 5/8", Carriage, Plated
14.	22-2019	Nut, 5/16" Whiz Lock, Plated
15.	37-1465	Sprocket, 50B17, 1" Bore, Short Hub
16.	37-1466	Sprocket, 50B22, 1" Bore
17.	19-1463	Key, 1/4" x 1/4" x 2"
18.	32-1464	1" x 6" Shaft
19.	03-1214	Bolt, 5/16" x 3/4", Hex Cap, Plated
20.	33-3530	Shield, Top Drag Drive
21.	47-3531	Small A.W. Decal
22.	40-2326	Washer, 1/4" Flat, Plated
23.	22-1253	Wing Nut, 1/4", Plated
24.	42-1317	Grease Fitting, Straight, 1/8" Pipe Thread
25.	35-1325	1" Snap Ring
26.	40-1323	Washer, 1" I.D. x 1 1/2" O.D. x 10 Gage
27.	37-1475	Cluster Sprocket, 40A40, 50-13, 13 And 18
28.	05-1316	1" x 1 1/4" x 1 1/4" Brass Bushing (2 Required)
29.	32-1474	1" x 4 1/2" Shaft, L.H. Thread
30.	40-0310	Washer, 1" I.D. x 1 1/2" O.D. x 12 Gage
31.	22-2018	Nut, 3/8" Whiz Lock, Plated
32.	03-2017	Bolt, 3/8" x 1", Carriage, Plated
33.	08-3532	Chain, A-2050, 41 Pitch, Including Connector
34.	08-3522	Offset Link
35.	08-1327	Connector Link With Spring Clip
36.	20-3533	Top Drag Drive Unit, Complete, Less Shield
37.	40-0687	Washer, 1" I.D. x 1 1/2" O.D. x 16 Gage



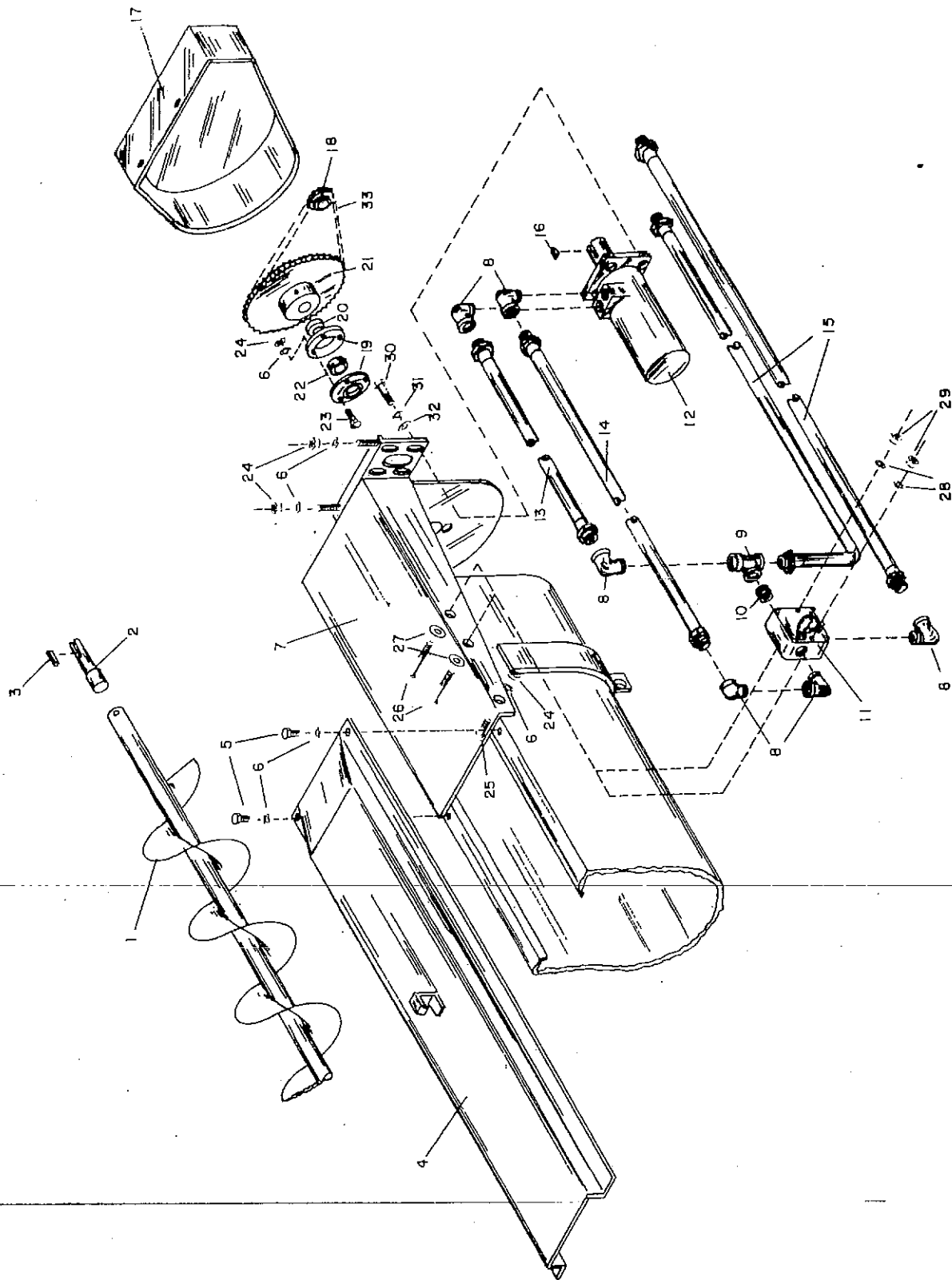


KEY	PART NUMBER	DESCRIPTION
1.	40-0310	Washer, 1" I.D. x 1 1/2" O.D. x 12 Gage
2.	40-1323	Washer, 1" I.D. x 1 1/2" O.D. x 10 Gage
3.	32-1474	1" x 4 1/2" Shaft, L.H. Thread
4.	37-1475	Cluster Sprocket, 40A40, 50-13, 13 & 18
5.	05-1316	1" x 1 1/4" x 1 1/4" Brass Bushing (2 Required)
6.	35-1325	1" Snap Ring
7.	42-1317	Grease Fitting, Straight, 1/8" Pipe Thread
8.	37-1332	Sprocket, 50B28, 1" Bore
9.	01-1120	Bearing, 1" Bore, Cast A-19
10.	40-2362	Washer, 5/16" Lock, Plated
11.	22-2363	Nut, 5/16" Hex, Plated
12.	03-2203	Nut, 5/16" Self Locking, Hex, Plated
13.	33-1336	Cover To Fit Slots In Hopper
14.	04-1333	Plate, Sliding Roll Feed
15.	04-0790	Bracket, Spring Holder - Upper
16.	38-1720	Roll Feed Hold Down Spring
17.	04-0791	Bracket, Spring Holder - Lower
18.	03-0590	Bolt, 5/16" x 1", Hex Cap, Plated
19.	32-1334	Head, Roll Feed
20.	19-1153	Key, 1/4" x 1/4" x 1 1/4"
21.	03-1905	Washer, Special Lock
22.	42-0788	Cable, Roll Feed Adjusting
23.	29-0796	Crank Assembly
24.	04-0792	Bracket, Crank Support
25.	04-0793	Bracket, Crank Lock
26.	03-2292	Washer, 5/16" Flat, Plated
27.	03-1214	Bolt, 5/16" x 3/4", Hex Cap, Plated
28.	40-3521	Washer, 5/8" I.D. x 1 5/16" O.D., Plated
29.	19-2070	Cotter Key, 5/32" x 1"
30.	09-1863	Crank Handle - Used With Part Number 29-1864
31.	29-1864	Crank Rod - Used With Molasses Attachment
32.	08-1331	Chain, A-2050, 24 Pitch Including Connector
33.	08-3522	A-2050 Offset
34.	08-1327	Connector Link With Spring Clip
35.	08-1481	Chain, RC40, 52 Pitch Including Connector
36.	08-1328	Offset Link
37.	08-1329	Connector Link With Spring Clip



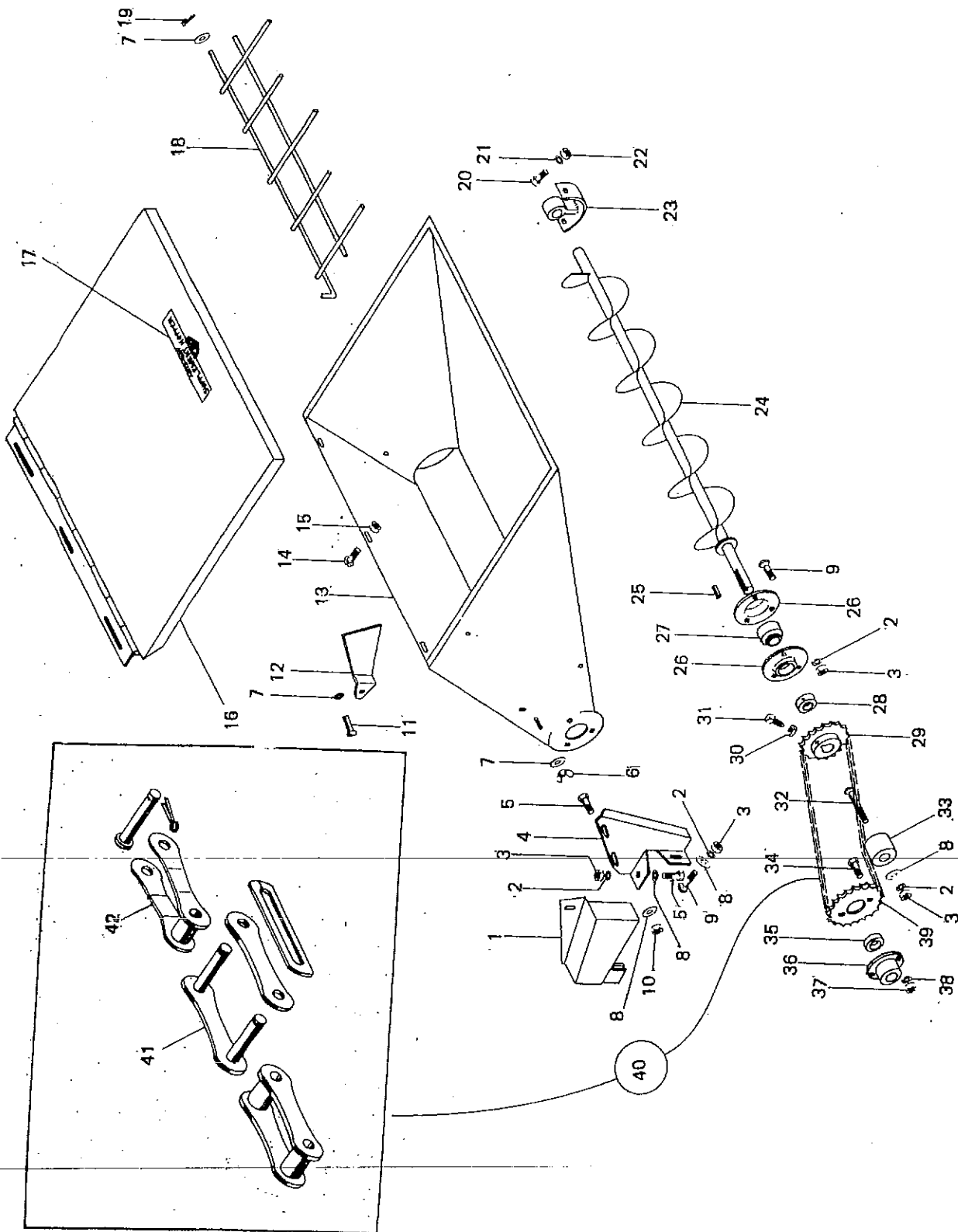


KEY	PART NUMBER	DESCRIPTION
1	33-2361	Main Drag Auger Safety Shield
2	04-2360	Top Brace Support Bracket
3	33-2365	Bottom Drag Auger Safety Shield
4	20-2366	Safety Shield Kit
5	03-1214	Bolt, 5/16" x 3/4" Hex
6	03-2292	Washer, 5/16" Flat
7	40-2362	Washer, 5/16" Lock
8	22-2363	Nut, 5/16" Hex
9	03-0688	Bolt, 5/16" x 5/8" Hex
10	01-1230	Collar Only for 1" Bearing
11	01-1233	Flange for 1" Bearing
12	01-1231	1" Bearing Only
13	03-0590	Bolt, 5/16" x 1" Hex
14	32-1532	Plug, Bottom 1" x 1-5/8" x 3/4" Welded
15	32-1405	10" Auger for 7' Feeder
16	32-1533	Plug, Top 1" x 1-5/8" x 3/4" Welded
17	23-1401	5/16" x 1-5/8" Expan Pin
18	26-1502	Power Shaft Half - Attaches to Auger
19	26-1501	Power Shaft Half - Attaches to Top Drive Unit
20	26-1503	Complete Power Shaft for Auger Feeder
21	33-1515	Left Side of Bottom Hopper Panel
22	09-4238	Release Handle
23	22-4237	Nut, 1/4" Self Lock Hex
24	38-4239	Spring, 1/2" OD x 1" Long 17 Ga.
25	22-2766	Nut, 1/4" Hex
26	40-2944	Washer, 1/4" Lock
27	03-3767	Bolt, 1/4" x 1-1/4" Truss Head
28	03-2825	Bolt, 5/16" x 3/4" Truss Head
29	33-4241	Right Side Folding Hopper Panel
30	42-2139	Angle Iron for Left Side of Feeder
31	16-1573	Auger Feeder Housing
32	03-3332	Bolt, 5/16" x 3/4" Step Carriage
33	03-2203	Nut, 5/16" Hex Self Locking
34	33-1506	Auger Housing Downspout
35	23-3583	Hair pin 3/16" x 3"
36	23-2143	Clevis pin 3/8" x 2-1/4"
37	18-1413	Top Support Pipe of Jack
38	18-1415	Bottom Support Pipe of Jack
39	18-1519	Complete Jack Support for Auger Feeder
40	06-1414	Clamp for Jack (Complete W/Spring Feeder & Washer)
41	40-1536	Washer - Set of 4 Clamping
42	40-3584	1 - Clamping Washer W/Hole for Rope
43	42-1899	Polypropylene Rope 7' -6" x 3/16" Yellow
44	38-1520	Spring for Clamp
45	19-3585	Cotter Pin 5/32" x 2-3/4"
46	23-2142	Clevis Pin 3/8" x 2-3/4"
47	04-1511	Bottom Support for Swivel Unit ("A" Frame)
48	03-2539	Bolt, 1/2" x 1-3/4" Hex
49	40-0537	Washer, 1/2" Lock
50	22-0536	Nut, 1/2" Hex
51	04-3665	Support Swivel
52	29-1512	Rod, 3/4" x 10"
53	19-2663	Cotter Pin 5/32" x 1-1/2"
54	24-3664	Vertical Post
55	16-3663	Hopper for Mill
56	03-0539	Bolt, 1/2" x 1" Carriage
57	24-0649	45 Street Elbow 1/2"
58	04-4341	Lower Mounting Bracket
59	19-3712	Hair Pin
60	23-3711	Pin, Hydraulic Arm Support (Lower)
61	17-4342	Prince Cylinder 14"
62	17-4343	Hose, 1/2" 11" Long W/1/2" Pioneer Coupler & a 1/2" Swivel Connector
63	42-1505	Angle Iron for Right Side of Feeder
64	04-2364	Bottom Brace Support Bracket





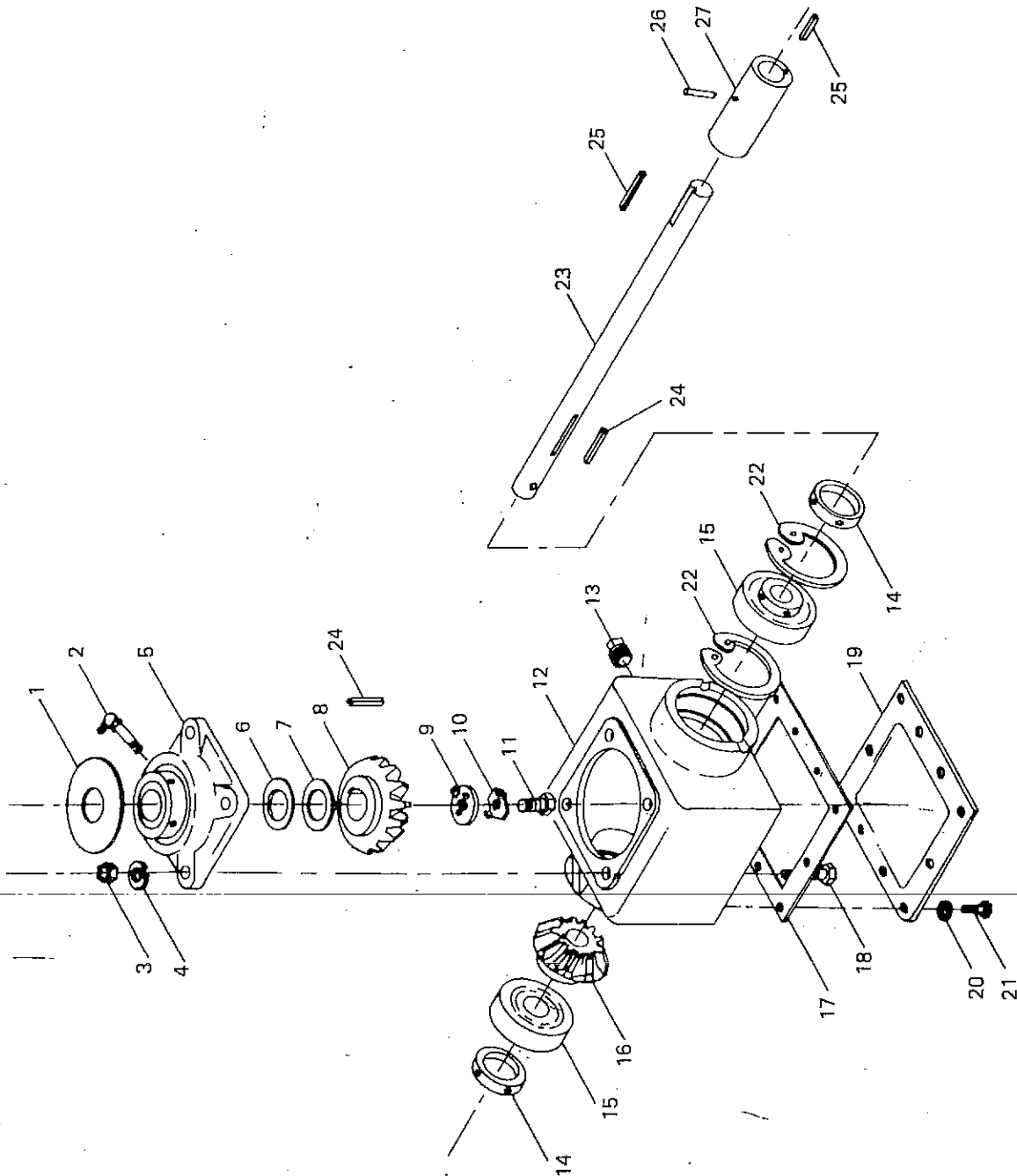
KEY	PART NUMBER	DESCRIPTION
1	32-1419	10" Auger for hydraulic drive feeder
2	32-1420	Plug, 1" x 1-5/8" x 5" Shaft (welded in)
3	19-1153	Key, 1/4" x 1/4" x 1-1/4"
4	33-3593	Shield, Auger Safety
5	03-3497	Sheet Metal Screw, 5/16" x 1/2" Hex Cap
6	40-2362	Washer, 5/16" Lock, Plated
7	12-1429	Hydraulic Auger top support
8	24-0624	1/2" x 90, Street Elbow
9	24-0632	1/2" Black Tee
10	24-0631	1/2" Close Nipple
11	17-0630	Brand Control #FC- 51-1/2"
12	17-1428	Char-Lyn Hydraulic Motor
13	17-4175	Hydraulic Hose, 1/2" x 9-1/2" Long W/Fittings
14	17-4174	Hydraulic Hose, 1/2" x 16" Long W/Fittings
15	17-1425	Hydraulic Hose 1/2" x 144" long W/Fittings
16	19-0618	Half Moon Key, 1/4" x 1"
17	33-3594	Shield, Drag Auger Drive
18	37-1081	40B13 Sprocket, 1" Bore
19	01-1233	Flange for 1" Bearing
20	01-1230	Lock Collar for 1" Bearing
21	37-1421	40B48 Sprocket, 1" Bore
	37-1422	40B54 Sprocket, 1" Bore
22	01-1231	1" Bearing
23	03-1241	Bolt, 5/16" x 3/4" Carriage, Plated
24	22-2019	Nut, 5/16" Hex Plated
25	03-1214	Bolt, 5/16" x 3/4" Hex Cap, Plated
26	03-3156	Bolt, 1/4" x 2-1/2" Hex Cap
27	40-2326	Washer, 1/4" Flat
28	40-2944	Washer, 1/4" Lock
29	22-2766	Nut, 1/4" Hex
30	03-2123	Bolt, 3/8" x 3/4" Hex Cap, Plated
31	03-2118	Washer, 3/8" Lock Plated
32	03-2119	Washer, 3/8" Flat Plated
33	08-1426	Chain, RC40, 72 Pitch, Including Connector & Offsets (Use with 48T Sprocket)
	08-3595	Chain, RC40, 78 Pitch, Including Connector & Offsets (Use with 54T Sprocket)







KEY	PART NUMBER	DESCRIPTION
1.	33-3534 33-3623	Shield, Supplement Hopper Drive Shield, Used With Lower Drive, Used After Serial Number 704559
2.	03-2118	Washer, 3/8" Lock, Plated
3.	22-2726	Nut, 3/8" Hex, Plated
4.	12-3535	Bracket, Supplement Hopper Support
5.	03-1226	Bolt, 3/8" x 1", Hex Cap, Plated
6.	03-3536	Wing Nut, 1/4" Plated
7.	40-2326	Washer, 1/4" Flat, Plated - Rivet Washer
8.	03-2119	Washer, 3/8" Flat, Plated
9.	03-2017	Bolt, 3/8" x 1", Carriage, Plated
10.	22-2306	Nut, 3/8" Self Locking, Plated
11.	03-2120	Rivet, 1/4" x 1/2", Truss Head
12.	42-2112	Latch, Cover Hold Up
13.	16-2107	Housing, Supplement Hopper
14.	03-2124	Bolt, 1/4" x 1/2", Truss Head
15.	22-2327	Nut, 1/4" Whiz, Plated
16.	12-2113	Cover, Hinged
17.	42-2117	Ocal, Supplement Hopper
18.	42-3195	Grate, Hopper
19.	23-2121	Cotter Key, 3/32" x 1"
20.	03-0590	Bolt, 5/16" x 1", Hex Cap, Plated
21.	40-2362	Washer, 5/16" Lock, Plated
22.	22-2363	Nut, 5/16", Hex, Plated
23.	01-2116	Bearing, Nylon "T", Auger Support
24.	45-4149	Auger, Supplement Intake
25.	19-2125	Key, 5/16" x 5/16" x 1"
26.	01-1915	Flange, 3 Hole, For 1 1/8" Bearing
27.	01-2023	Bearing, 1 1/8"
28.	01-2010	Lock Collar For 1 1/8" Bearing
29.	37-2024	Sprocket, 40B28, 1 1/8" Bore
30.	22-3350	Nut, 5/16" Jam
31.	03-3351	Set Screw, 5/16" x 3/4", Square Head
32.	03-3354	Bolt, 3/8" x 2 1/2", Carriage, Plated
33.	42-2126	Block, Oil Treated Wood
34.	03-1205	Bolt, 1/4" x 3/4", Hex Cap, Plated
35.	05-3370	Bushing, 1 1/4" x 1 1/2" x 1/4", Oilite
36.	10-2008	Shear Hub, 1 1/4" Bore
37.	22-2766	Nut, 1/4" Hex, Plated
38.	40-2944	Washer, 1/4" Lock, Plated
39.	37-3920	Sprocket, 40A28, 1 1/2" Bore
40.	08-3537	Chain, 2040, 41 Pitch Including 1 Offset And 2 Connectors
41.	08-1339	Connector Link With Spring Clip
42.	08-1338	Offset Link

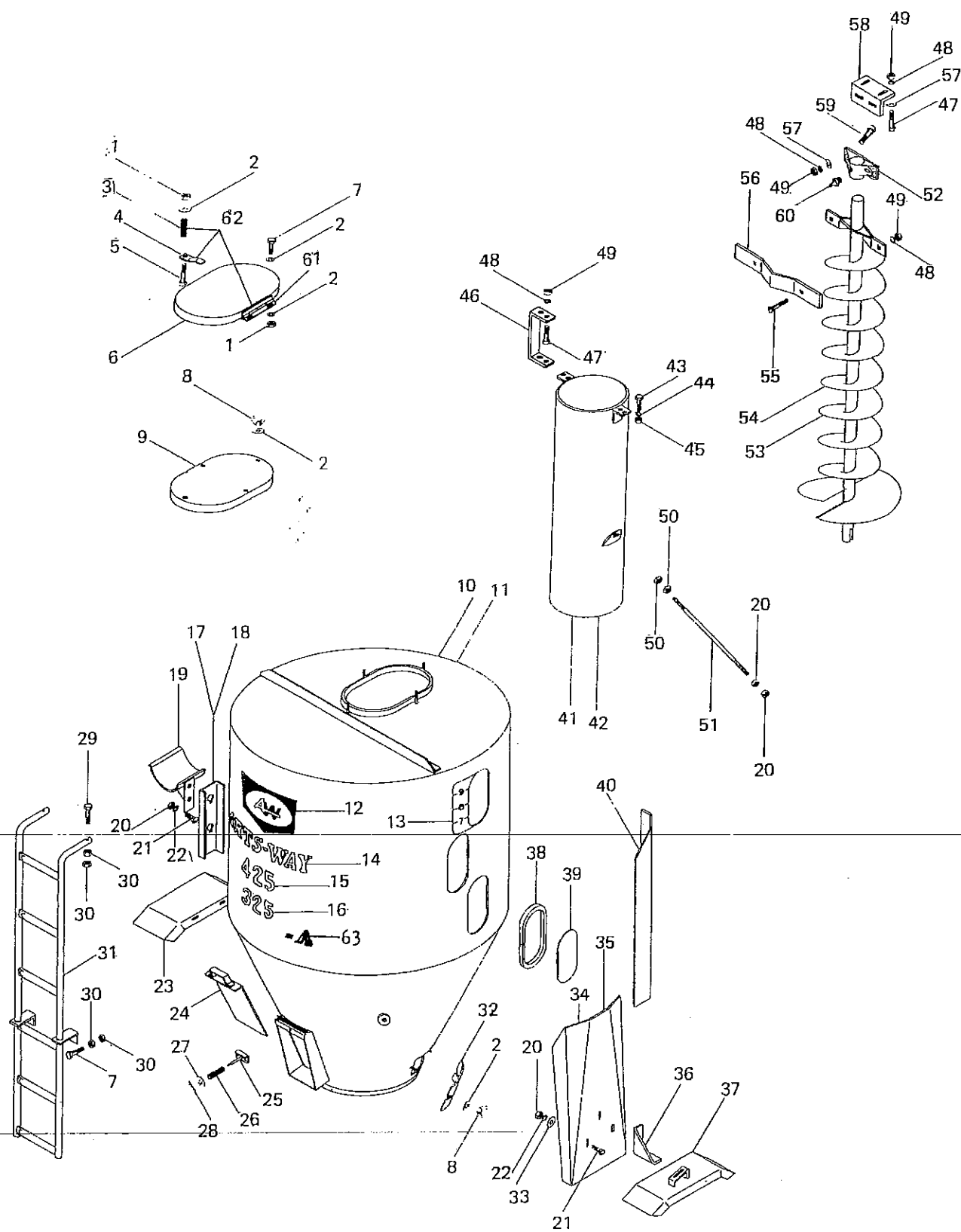




KEY	PART NUMBER	DESCRIPTION
1.	33-1057	Bearing Protector Plate
2.	31-1055	Long Grease Fitting
3.	22-3754	Nut, 1/2" Hex, Plastic Insert Lock
4.	40-0537	Washer, 1/2" Lock
5.	01-2027	Bearing, 1 5/8" Flange
6.	40-2029	10 Gage Washer, 1 5/8" I.D. x 2 1/4" O.D.
7.	40-2030	18 Gage Washer, 1 5/8" I.D. x 2 1/4" O.D.
8.	14-2028	Bevel Gear 1 5/8" Bore Hard
9.	40-2031	Special Lock Washer
10.	40-1072	Special Lock For Bolt
11.	03-1073	Bolt, 1/2" x 1 1/4" Hex Cap
12.	16-2033	Gear Box
13.	31-2034	Pipe Plug 3/4" With Vent
14.	01-2036	Lock Collar For 1 1/4" Bearing
15.	01-2037	Bearing, 1 1/4" Bore
16.	14-2032	Bevel Gear 1 1/4" Bore Hard
17.	13-1074	Gear Box Gasket
18.	03-1058	Bolt, 1/2" x 2" Hex Cap
19.	16-1075	Gear Box Cover
20.	40-2362	Washer, 5/16" Lock
21.	03-1214	Bolt, 5/16" x 3/4" Hex Cap
22.	35-2035	Retaining Ring
23.	32-4156	Shaft, 1 1/4" x 18" Ground And Polished With 3/8" Hole.
24.	19-3118	Key, 5/16" x 5/16" x 1 1/4"
25.	19-3506	Key, 5/16" x 5/16" x 2 1/2"
26.	23-1360	Expanspin, 1/4" x 2"
27.	10-3507	Shaft Coupler, 1 1/4" I.D. x 2" O.D. 6" Long



# TANK & MIXING AUGER

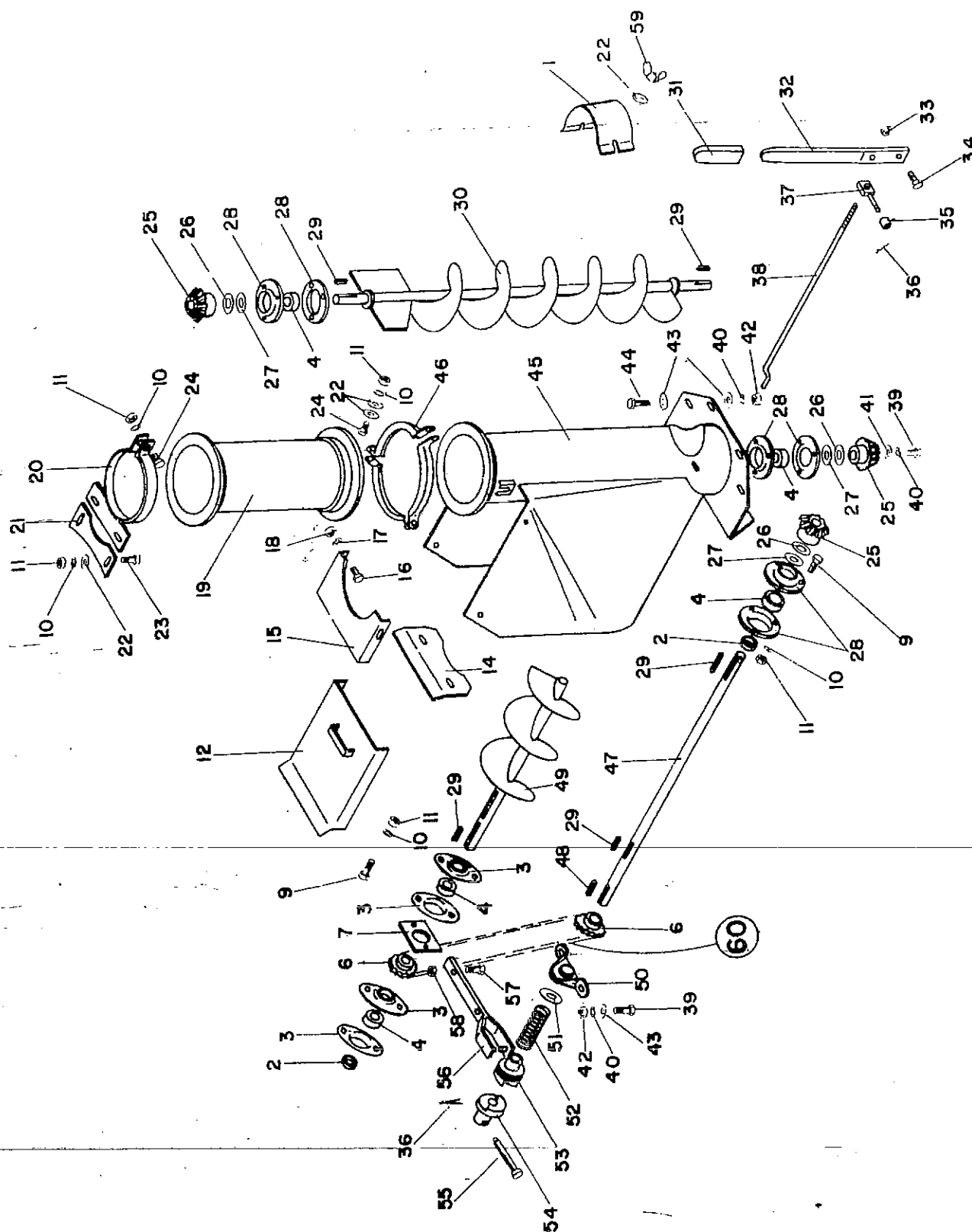




KEY	PART NUMBER	DESCRIPTION
1.	03-2203	Nut, 5/16" Hex, Self Locking
2.	03-2292	Washer, 5/16" Flat, Plated
3.	38-1308	Spring, Lid Holder
4.	04-2293	Lid Locking Bracket
5.	03-2291	Bolt, 5/16" x 2 1/4", Hex Cap, Plated
6.	33-3566	Lid, Hinged, Oval
7.	03-1214	Bolt, 5/16" x 3/4", Hex Cap, Plated
8.	22-0979	Wing Nut, 5/16", Plated
9.	33-2307	Lid, Standard Oval
10.	12-3567	Tank, Cone And Collar - Number 425
11.	12-3568	Tank, Cone And Collar - Number 325
12.	42-4326	Large A.W. Decal (3 Required)
13.	42-2054	Window Number Set (3 Decals Per Set)
14.	42-4328	Arts-Way Name Decal
15.	42-3503	Number 425 Model Number Decal
16.	42-3502	Number 325 Model Number Decal
17.	04-3562	Tube Holder Support (Welded To Tank Left Side)
18.	04-3563	Tube Holder Support (Welded To Tank Right Side)
19.	04-4348	Unloading Auger Tube Holder (Right And Left)
20.	22-0536	Nut, 1/2" Hex, Plated
21.	03-0539	Bolt, 1/2" x 1", Carriage, Plated
22.	40-0537	Washer, 1/2" Lock, Plated
23.	33-2147	Fender, Left
24.	33-1112	Unloading, Sliding Door
25.	23-1115	Sliding Door Holder
26.	38-1113	Spring, Door Holder
27.	40-2326	Washer, 1/4" Flat, Plated
28.	23-2309	Cotter Key, 3/32" x 3/4"
29.	03-2576	Bolt, 5/16" x 1 1/2", Hex Cap, Plated
30.	22-2363	Nut, 5/16" Hex, Plated
31.	15-1909	Ladder
32.	33-3609	Clean Out Door
33.	40-0520	Washer, 1/2" Flat, Plated
34.	12-2145	Tank Side Brace (Welded To Tank And Frame - Left Side)
35.	12-2146	Tank Side Brace (Welded To Tank And Frame - Right Side)
36.	04-1521	Fender Support
37.	33-3556	Fender, Right, With Drag Transport Bracket
38.	12-1202	Frame, Gasket, Rubber Window
39.	42-1205	Glass Window
40.	12-2149	Tank Front Brace
41.	16-3558	Mixing Auger Tube - Number 425
42.	16-3557	Mixing Auger Tube - Number 325
43.	03-3202	Bolt, 7/16" x 1 1/4", Hex Cap, Plated
44.	40-2399	Washer, 7/16" Lock, Plated
45.	22-2377	Nut, 7/16" Hex, Plated
46.	04-1868	Hanger, Mixing Auger Tube
47.	03-0669	Bolt, 3/8" x 1 1/4", Hex Cap, Plated
48.	03-2118	Washer, 3/8" Lock, Plated
49.	22-2726	Nut, 3/8" Hex, Plated
50.	22-3561	Nut, 1/2" Square
51.	03-2102	Rod, Mixing Auger Tube Support (1/2" x 23 1/2")
52.	01-3572	Brass Cast Bearing, 1 5/8" Bore
53.	45-3565	Mixing Auger - Number 425
54.	45-3564	Mixing Auger - Number 325
55.	03-3518	Bolt, 3/8" x 1 1/4", Carriage, Plated
56.	04-3361	Paddle, Mixing Auger
57.	03-2119	Washer, 3/8" Flat, Plated
58.	04-3323	Hanger, Brass Cast Bearing
59.	03-1137	Bolt, 3/8" x 1 1/2", Hex Cap, Plated
60.	42-1317	Grease Fitting, Straight, 1/8" Pipe Thread
61.	15-2641	Hinge For Spring Loaded Lid
62.	20-2642	Kit, Hinge And Hold Downs
63.	47-4115	Decal, Letter - A Model No.



# FIRST SECTION BACK AUGER

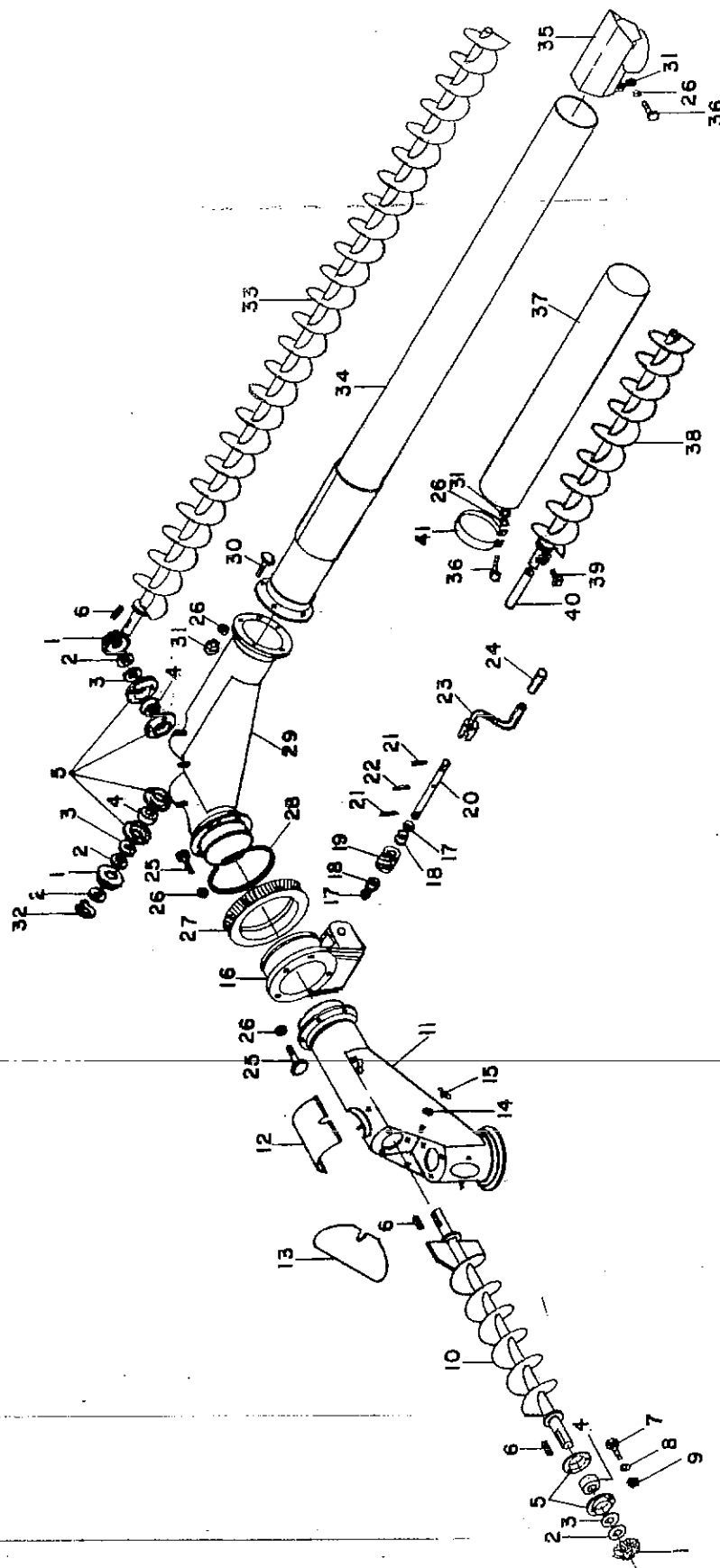




KEY	PART NUMBER	DESCRIPTION
1	33-1252	Clean Out Door
2	01-2010	Collar Only For 1 1/8" Bearing
3	01-2161	Flangette - 2 Hole For 1 1/8" Bearing
4	01-2023	Bearing Only 1 1/8"
6	37-2024	Sprocket 40B28 1 1/8" bore
7	36-2162	Bearing Spacer
9	03-1214	Bolt, 5/16" x 3/4" Hex Cap
10	40-2362	Washer, 5/16" Lock
11	22-2363	Nut, 5/16" Hex
12	33-1237	Cover, Unloading Hopper
14	13-4178	Steel Gasket
15	33-4082	Feed Deflector
16	03-2124	Bolt, 1/4" x 1/2" Truss Head
17	40-2944	Washer, 1/4" Lock
18	22-2766	Nut, 1/4" Hex
19	16-4079	Extension, 18" Vertical Tube
20	06-4080	Ring For Vertical Extension
21	04-4081	Tank Bracket, Vertical Extension
22	03-2292	Washer, 5/16" Flat
23	03-1241	Bolt, 5/16" x 3/4" Carriage
24	03-3003	Bolt, 5/16" x 1 1/4" Hex
25	14-2058	Bevel Gear, 1 1/8" Bore
26	40-2065	Washer, 1 1/8" I.D. x 1 5/8" O.D. x 10 GA.
27	40-2075	Washer, 1 1/8" I.D. x 1 5/8" O.D. x 12 GA.
28	01-1915	Flange Only for 1 1/8" Bearing
29	19-2163	Key, 5/16" x 5/16" x 1 1/2" Long
30	45-4076	Vertical Back Auger (Standard)
	45-4077	Vertical Back Auger (18" Extension)
31	42-2156	Grip Clutch Handle
32	09-3617	Clutch Handle
33	22-2306	Nut, 3/8" Self Locking Hex
34	03-3518	Bolt, 3/8" x 1 1/4" Carriage
35	36-3346	Spacer
36	19-2070	Cotter Pin, 5/32" x 1"
37	03-1217	Eye Bolt For Clutch Adjustment
38	29-2084	Clutch Rod 7/16" x 30 1/4" Long
39	03-1226	Bolt, 3/8" x 1" Hex
40	03-2118	Washer, 3/8" Lock
41	40-1227	Washer
42	22-2726	Nut, 3/8" Hex
43	03-2119	Washer, 3/8" Flat
44	03-0669	Bolt, 3/8" x 1 1/4" Hex
45	16-4179	First Section Discharge Unit
46	06-3441	Swivel Clamp Ring, 3 Piece
47	32-4180	Shaft, 1 1/8" x 31" Long
48	19-2157	Key, 5/16" x 3 1/2"
49	45-4181	Auger, Hopper 1 1/8" Brg. End
50	01-2154	Bearing, 1 1/8" Steel Pillow Block
51	40-2088	Washer, 1 1/4" I.D. x 1 3/4" O.D.
52	38-2127	Clutch Spring
53	26-3266	Clutch Casting A-66
54	26-4155	Clutch Casting A-67 with 3/8" Hole
55	23-4154	Clevis Pin, 3/8" x 2 3/8"
56	09-3553	Clutch Arm
57	03-1226	Bolt, 3/8" x 1" Hex
58	22-2306	Nut, 3/8" Self Locking Hex
59	22-0979	Wing Nut, 5/16"
60	08-4184	Chain, 2040 29 Pitches Including 1-2040 Offset and 1-2040 Connector



# DISCHARGE AUGER TOP UNIT

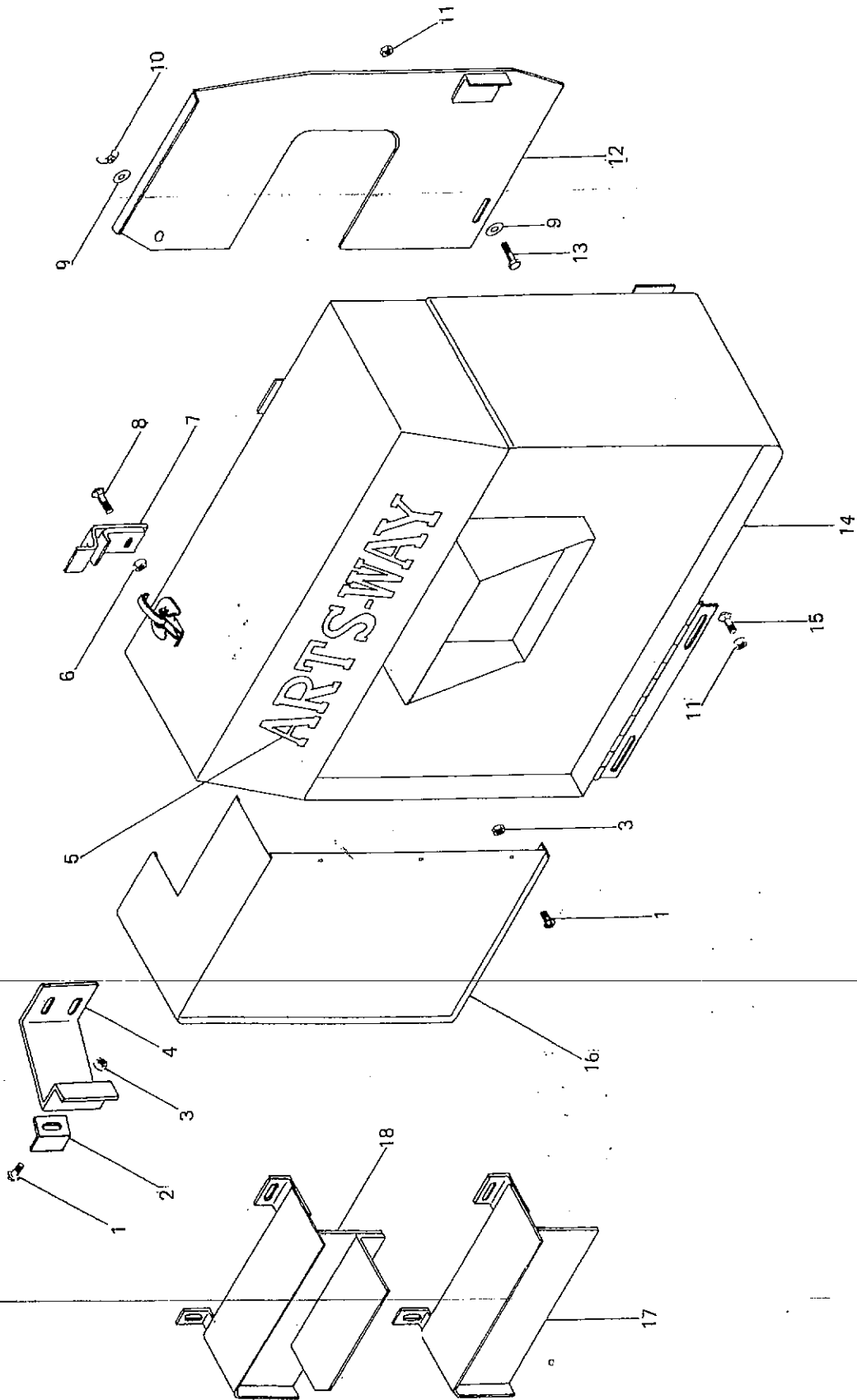




KEY	PART NUMBER	DESCRIPTION
1.	14-2058	Bevel Gear, 1 1/8" Bore
2.	40-2065	Washer, 1 1/8" I.D. x 1 5/8" O.D. x 10 Gage
3.	40-2075	Washer, 1 1/8" I.D. x 1 5/8" O.D. x 12 Gage
4.	01-2023	Bearing Only, 1 1/8" Bore
5.	01-1915	Flange, 10 Gage For Bearing
6.	19-2076	Key, 5/16" x 5/16" x 1 1/8"
7.	03-2017	Bolt, 3/8" x 1" Carriage
8.	03-2118	Washer, 3/8" Lock
9.	22-2726	Nut, 3/8" Hex
10.	45-4085	Cross Auger 7" 1 1/8" Shaft
11.	16-4086	Discharge Tube Elbow 8"
12.	33-1252	Clean Out Door
13.	33-4087	Bevel Gear Shield
14.	03-2292	Washer, 5/16" Flat
15.	22-0979	Nut, 5/16" Wing
16.	16-4088	Holder, Worm and Ring Gear
17.	40-3519	Thrust Washer, 5/8" I.D. x 1" O.D. x 14 Gage
18.	01-1258	Bearing, 5/8" Thrust
19.	14-4176	Steel Worm 10 Pitch
20.	32-4089	Worm Gear Shaft
21.	23-1255	Expanpin, 1/4" x 1 1/4"
22.	23-4090	Expanpin, 3/16" x 1 5/8"
23.	09-1250	Crank
24.	42-2064	Plastic Grip For Crank
25.	03-3228	Bolt, 5/16" x 5/8" Hex
26.	40-2362	Washer, 5/16" Lock
27.	14-4177	Worm Gear 10 Pitch
28.	35-4092	Retaining Ring
29.	16-4093	Discharge Tube Elbow 8"
30.	03-1214	Bolt, 5/16" x 3/4" Hex
31.	22-2363	Nut, 5/16" Hex
32.	35-3520	Snap Ring 1 1/8"
33.	45-4094	Auger 7" With 95" Shaft (Standard)
	45-4095	Auger 7" With 107" Shaft (1' Ext.)
	45-4096	Auger 7" With 119" Shaft (2' Ext.)
	45-4097	Auger 7" With 131" Shaft (3' Ext.)
34.	16-4098	Tube 79" (Standard)
	16-4099	Tube 91" (1' Ext.)
	16-4100	Tube 103" (2' Ext.)
	16-4101	Tube 115" (3' Ext.)
35.	16-4102	Unloading Auger Hood
36.	03-3003	Bolt, 5/16" x 1 1/4" Hex
37.	16-4103	Tube, 2' Extension
	16-4104	Tube, 3' Extension
	16-4105	Tube, 4' Extension
	16-4106	Tube, 5' Extension
	16-4107	Tube, 6' Extension
38.	45-4108	Auger, 2' Extension
	45-4109	Auger, 3' Extension
	45-4110	Auger, 4' Extension
	45-4111	Auger, 5' Extension
	45-4112	Auger, 6' Extension
39.	03-0878	Set Screw 7/16" x 3/4" Square Head
40.	32-4113	Shaft, 1 1/8" x 8"
41.	06-4114	Band, Extension Holding

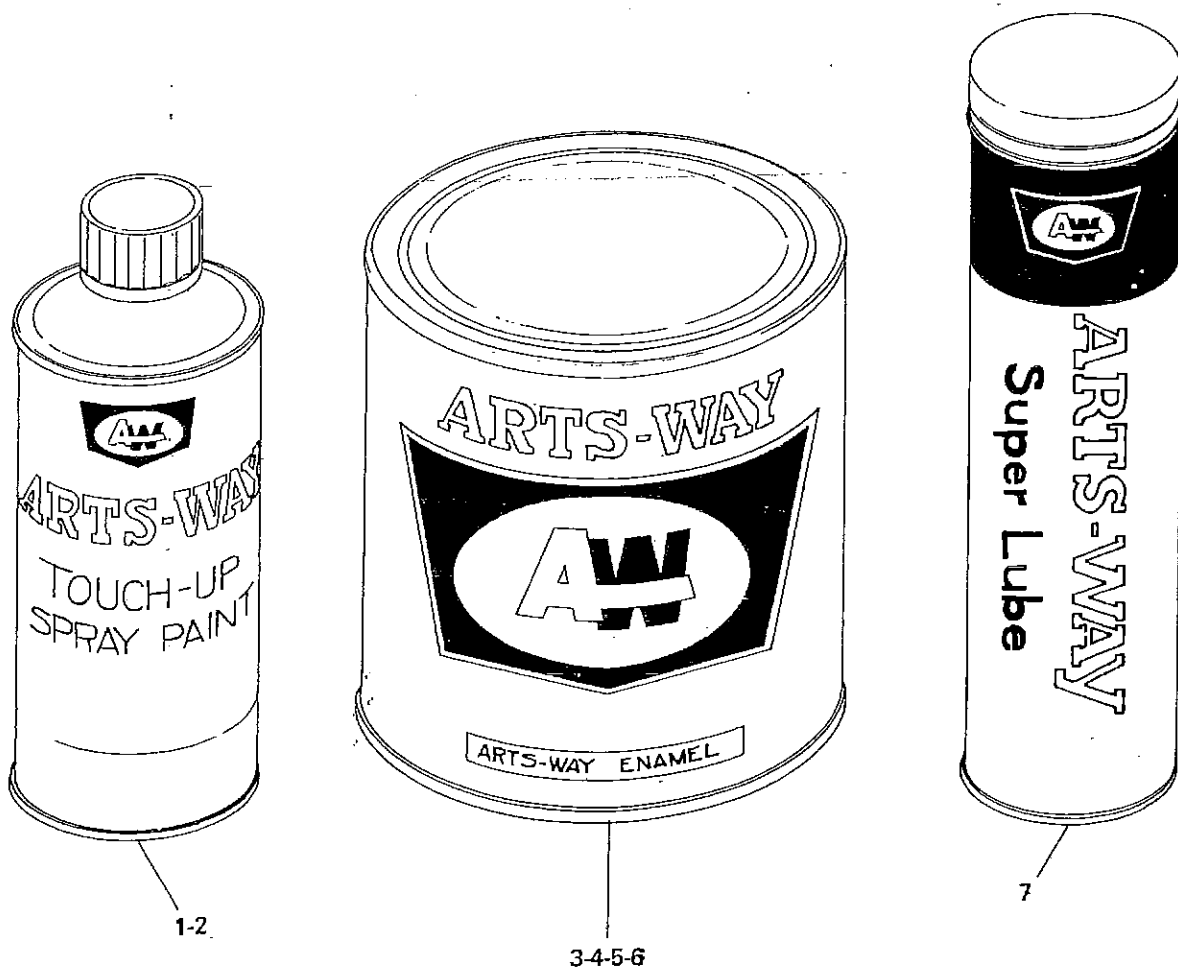


# MAIN DRIVE SHIELD





KEY	PART NUMBER	DESCRIPTION
1.	03-2124	Bolt, 1/4" x 1/2", Truss Head, Plated
2.	04-3572	Latch For Swinging Shield
3.	22-2327	Nut, 1/4", Whiz, Plated
4.	04-2197	Support Bracket For Latch
5.	42-2053	Arts-Way Name Decal, Small
6.	22-2018	Nut, 3/8", Whiz, Plated
7.	04-2194	Top Latch For Main Drive Shield
8.	03-2017	Bolt, 3/8" x 1", Carriage, Plated
9.	03-2292	Washer, 5/16", Flat, Plated
10.	22-0979	Wing Nut, 5/16", Plated
11.	22-2019	Nut, 5/16", Whiz, Plated
12.	33-3573	Back Plate For Main Drive Shield
13.	03-2680	Bolt, 5/16" x 7/8", Hex Cap, Plated
14.	33-3574	Main Drive Shield
	33-3770	Main Drive Shield With Lower Hole Used After Serial Number 704559
15.	03-3332	Bolt, 5/16" x 3/4", Special Carriage, Plated
16.	33-3575	Swinging Shield
17.	33-3576	Roll Feed Drive Shield (Used On Machines Not Equipped With Drags)
18.	33-3577	Small Drive Shield (Used On Machines Not Equipped With Drags Or Roll Feeds)



KEY.	PART NUMBER	DESCRIPTION
1.	42-4312	A.W. Green, Spray Can
2.	42-4316	A.W. Yellow, Spray Can
3.	42-2199	A.W. Green, Quart Can
4.	42-2200	A.W. Yellow, Quart Can
5.	42-2201	A.W. Green, Gallon Can
6.	42-2202	A.W. Yellow, Gallon Can
7.	42-0684	A.W. Super Lube Gun Grease
8.	47-4151	Complete Set Of Decals For Model Number 425-A Mixer And Mill
9.	47-4152	Complete Set Of Decals For Model Number 325-A Mixer And Mill

The Above Sets Contain The Following Decals: 2 Model Number Decals; 3 Large A.W. Decals; 2 Large Arts-Way Name Decals; Set of 3 Numbered Window Decals; 1 Arts-Way Name Decal For Main Drive Shield; 1 Arts-Way Supplement Hopper Decal; 1 Small A.W. Decal For Upper Drag Drive Shield, Or If Not Equipped With Drag, Swinging Shield; And 3 Caution Decals.

# CAUTION

1. KEEP CHILDREN AWAY FROM MACHINE.
2. KEEP ALL SHIELDS IN PLACE.
3. STOP MACHINE TO SERVICE.
4. KEEP AWAY FROM MOVING PARTS.
5. KEEP OFF, WHILE MACHINE IS BEING OPERATED OR TRANSPORTED.

## 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.

# CAUTION

1. KEEP CHILDREN AWAY FROM MACHINE.
2. KEEP ALL SHIELDS IN PLACE.
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