

ARTS-WAY

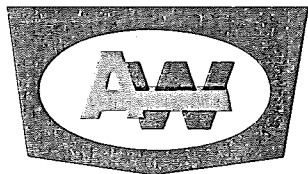
# OPERATORS MANUAL & PARTS LIST



MODEL 425-A & 325-A

## FEED MIXER AND MILL

Rev. 2-15-72



# ARTS-WAY

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

196400



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ENGINEERING  
MASTER FILE

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## GENERAL CARE AND 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)

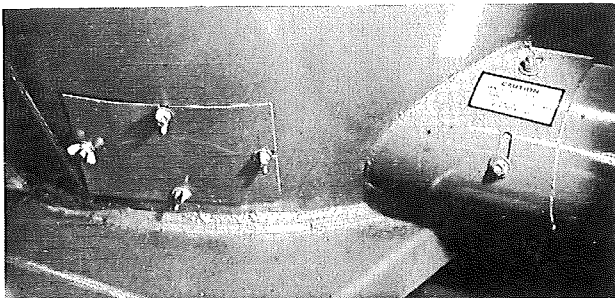


Illustration 1

### CAUTION:

Never put hands inside mixer during operation.

**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.

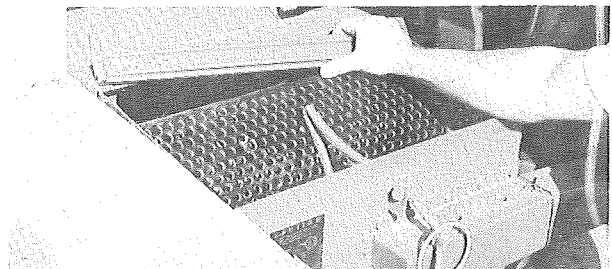


Illustration 2

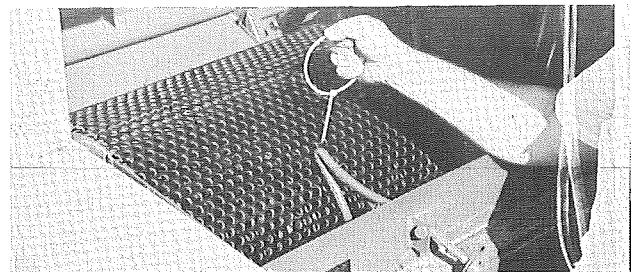


Illustration 3

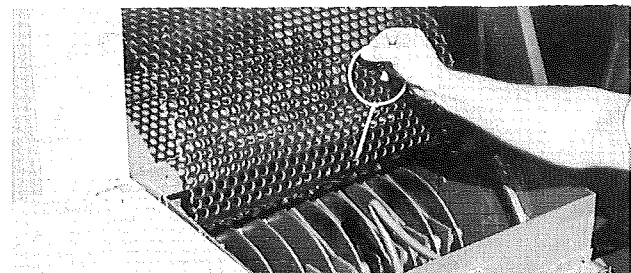


Illustration 4

## 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.

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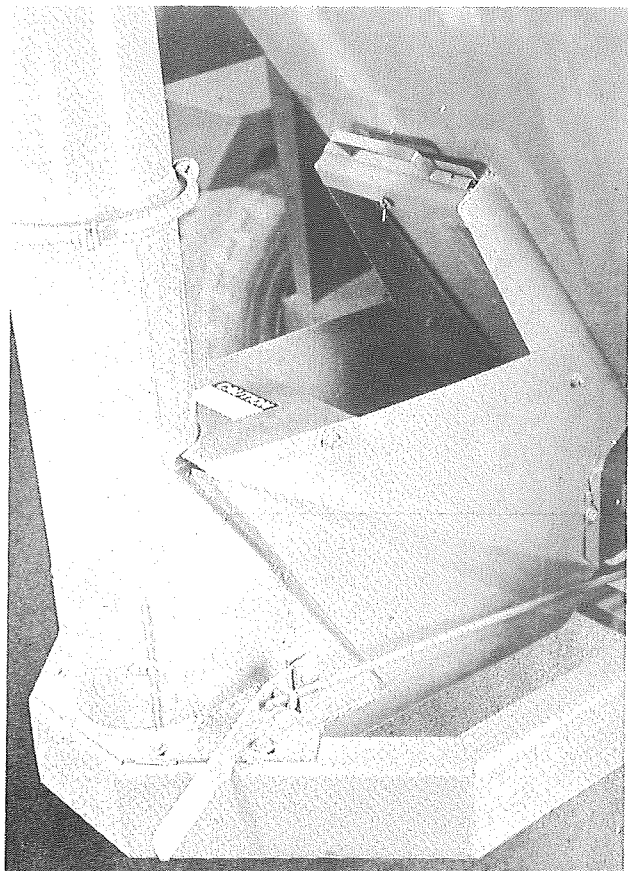


Illustration 5

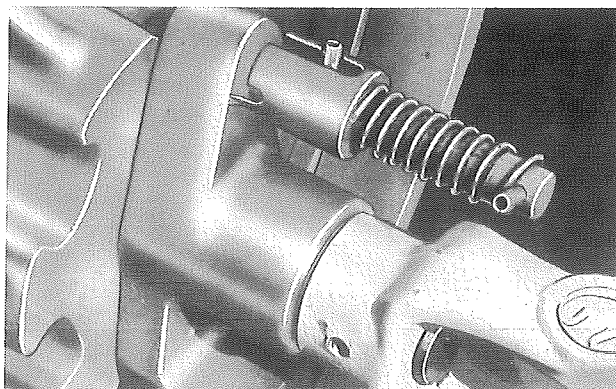


Illustration 6

## 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.

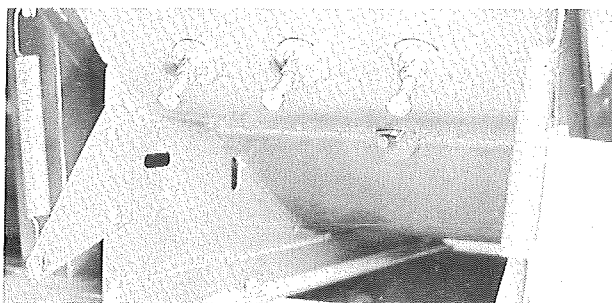


Illustration 7

## 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).

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**CAUTION:**

Do not try to change speeds during operation.

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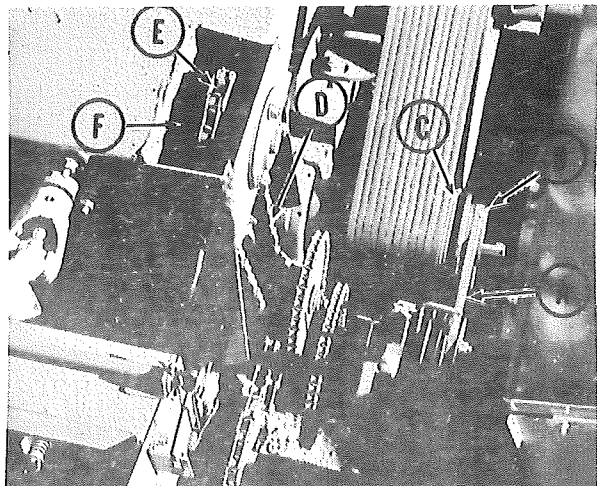


Illustration 8

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

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

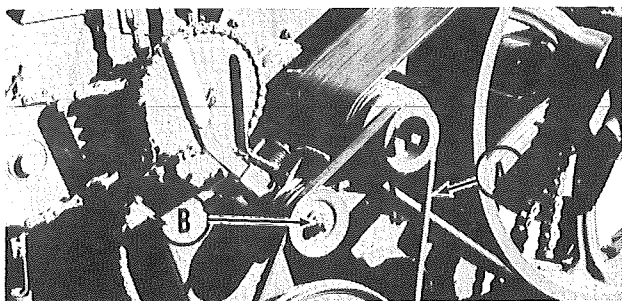


Illustration 9

**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)

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

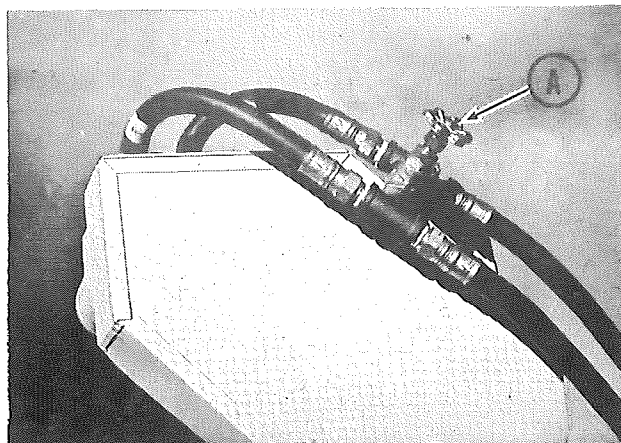


Illustration 10

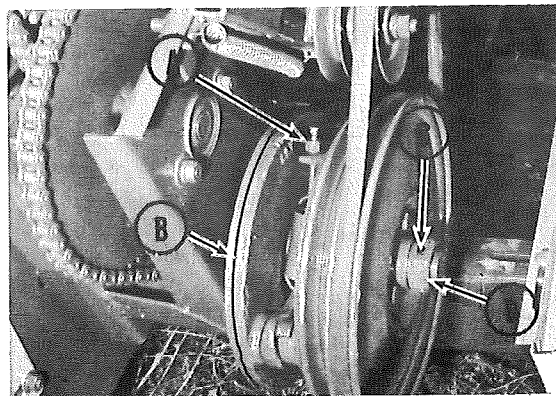


Illustration 11

To remove auger drag, remove pins "A" and "B". Pull auger toward rear to separate the auger shaft at

point "C". (See Illustration 12)

### 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)

### 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)

### 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.

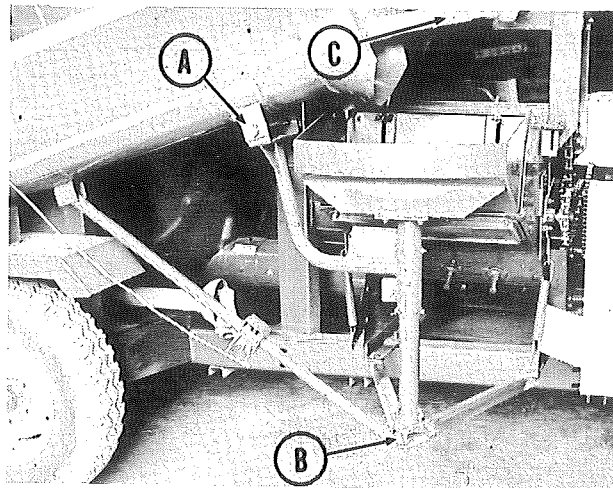


Illustration 12

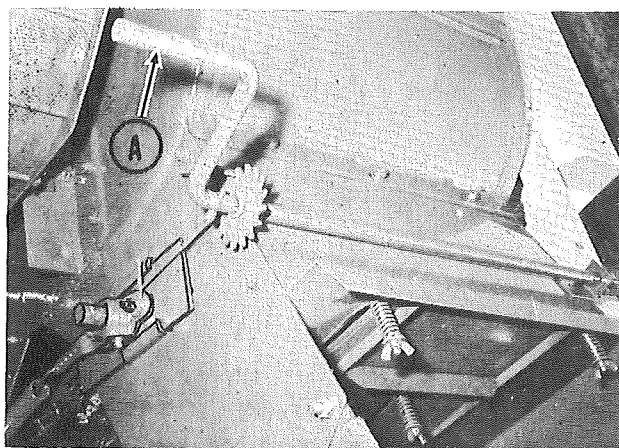


Illustration 13

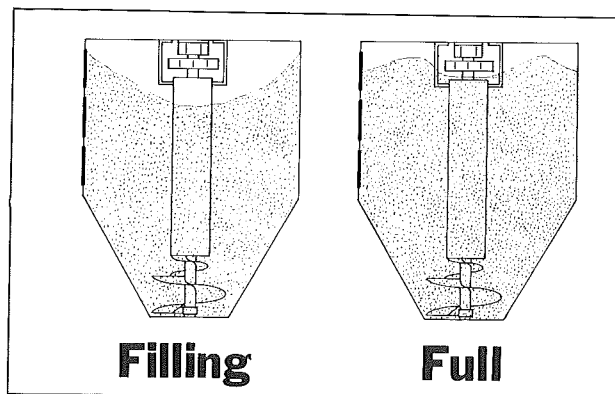


Illustration 14

## 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.

## 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)

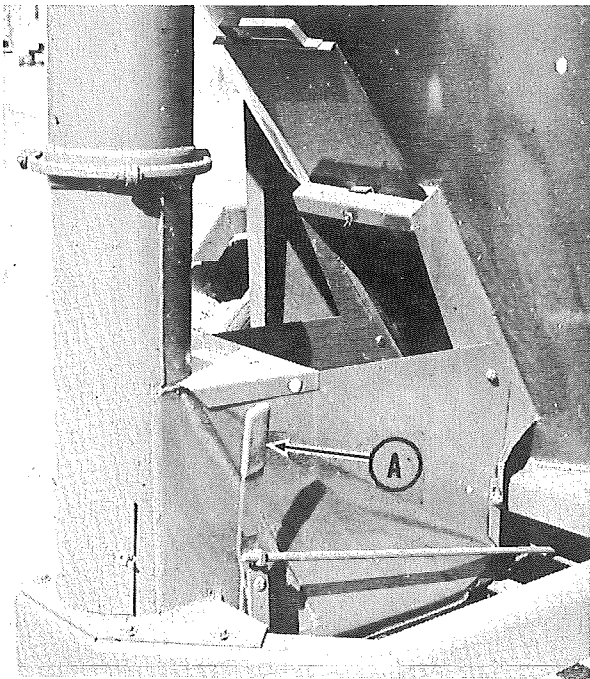


Illustration 15

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)

## 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)

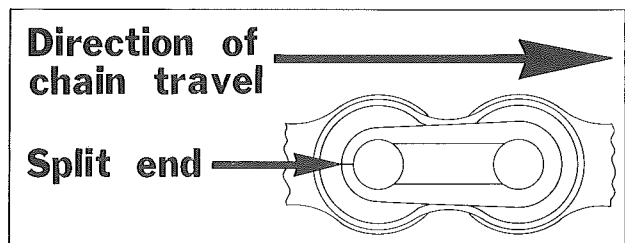


Illustration 16

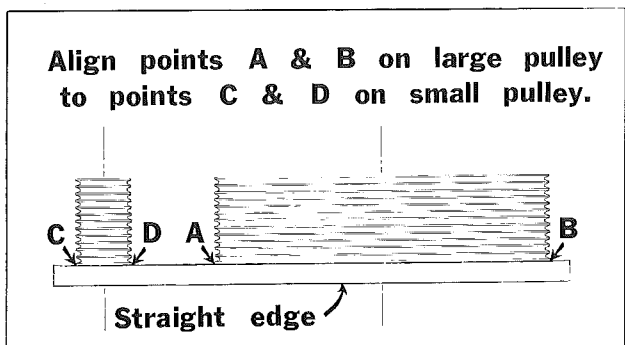


Illustration 17

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)

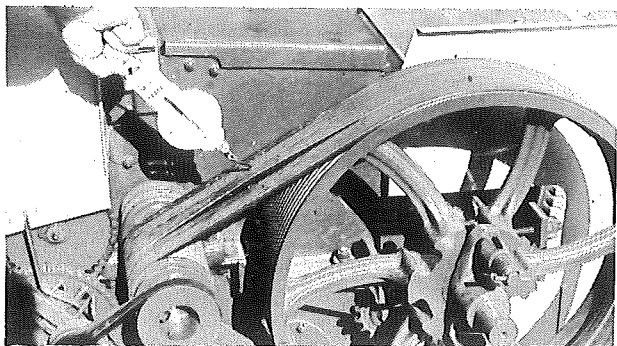


Illustration 18

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)

## 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)

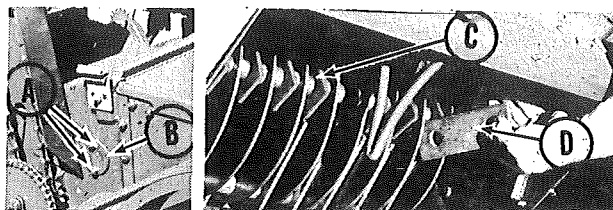


Illustration 19

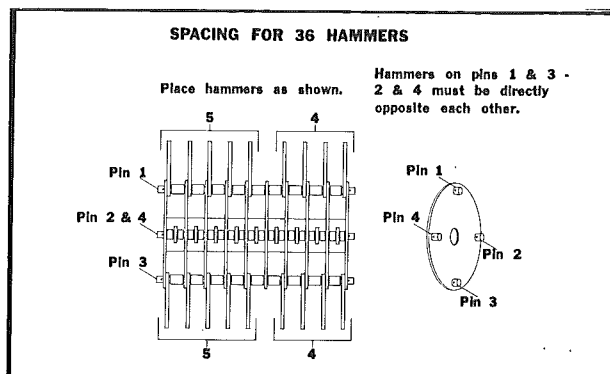


Illustration 20

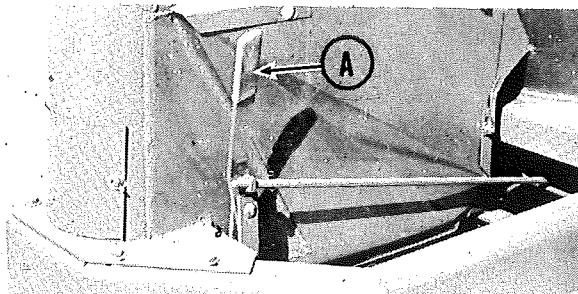


Illustration 21

## 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.

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 3/8" x 1" for the mixer driven sprocket and 1/4" x 3/4" for the supplement hopper and mill to mixer drive sprockets. All shear bolts are mild steel. (See Illustration 22)

## 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 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.

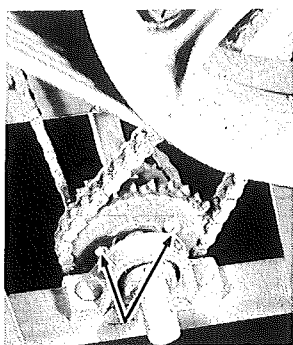


Illustration 22

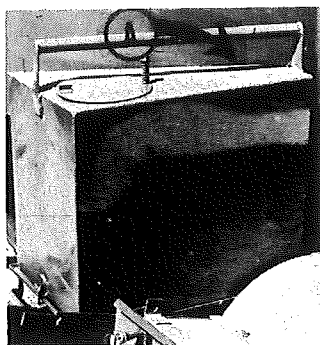


Illustration 23

## 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)

## 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.

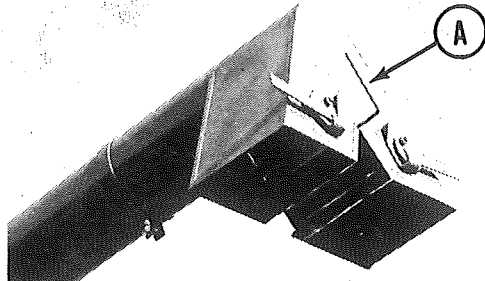


Illustration 24

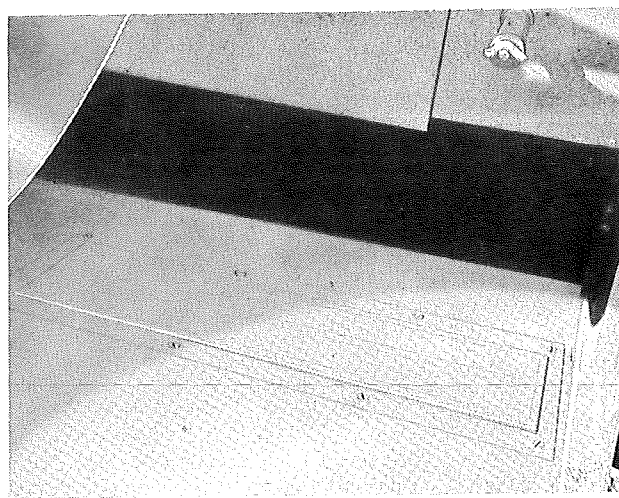


Illustration 25

## 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)

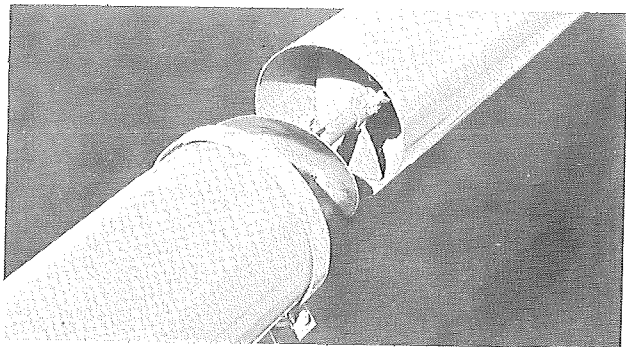


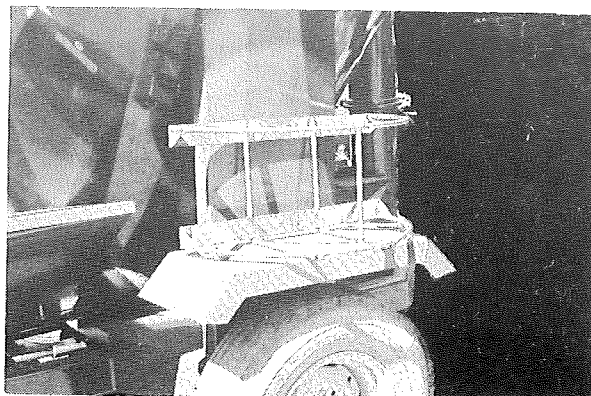
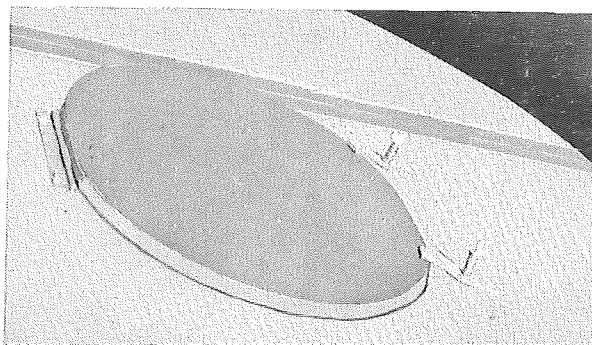
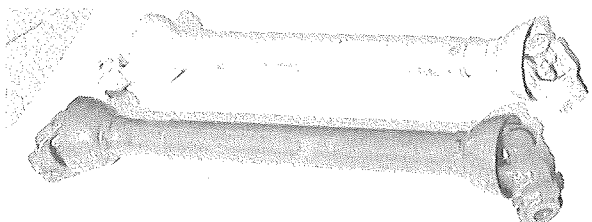
Illustration 26

### 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.

The Arts-Way heavy duty PTO shaft, furnished as standard equipment, is rated at 73 HP at 540 RPM. An optional extra heavy duty PTO shaft, rated at 100 HP at 540 or 1000 RPM, is available.





# 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)

WEEKLY OR AFTER 50 HOURS OF OPERATION

5. PTO shaft from tractor ( 2 fittings on heavy duty shaft -- 3 fittings on extra duty shaft)
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)

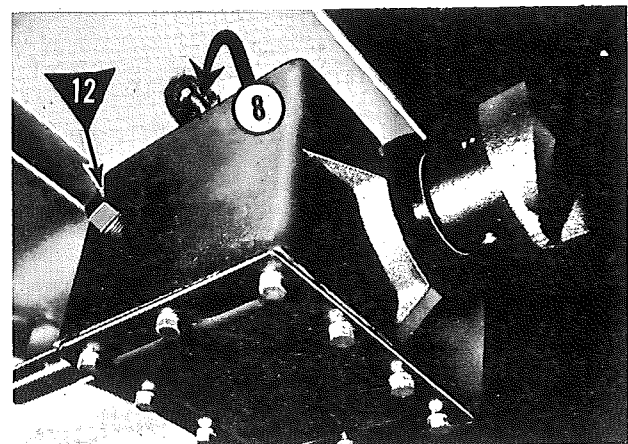
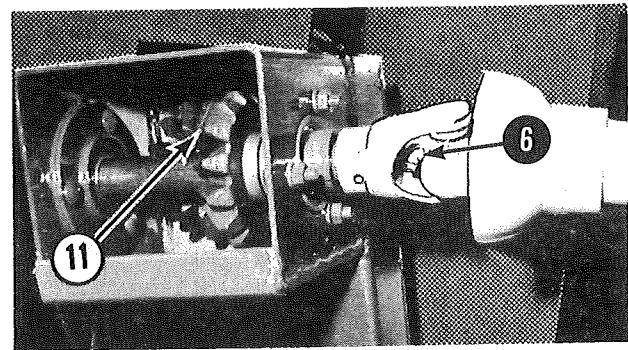
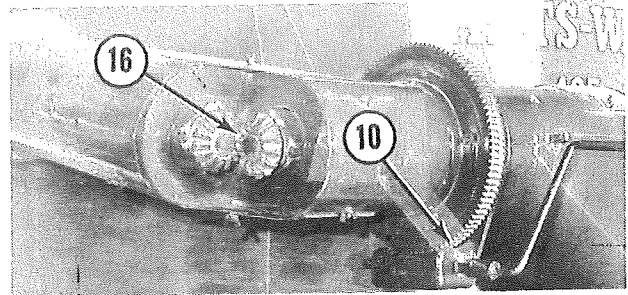
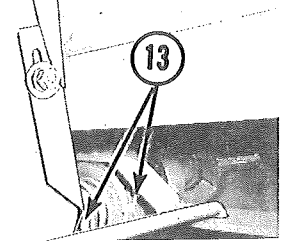
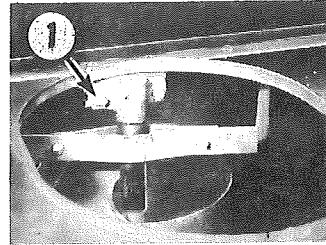
PERIODICALLY

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.
16. Lubricate gears in unloading auger transfer points.
17. Lubricate chains.

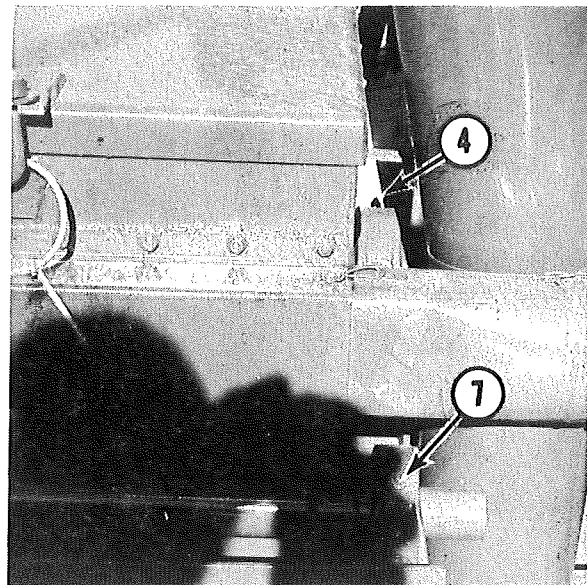
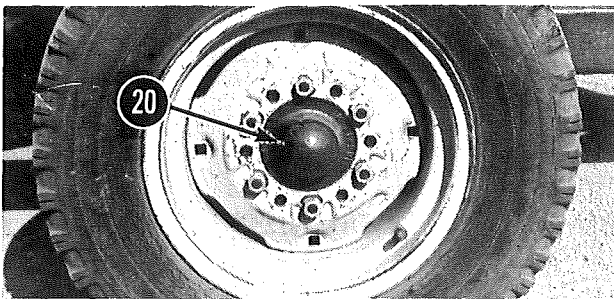
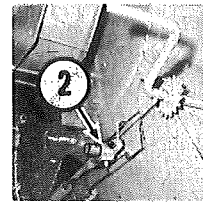
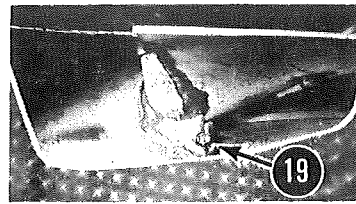
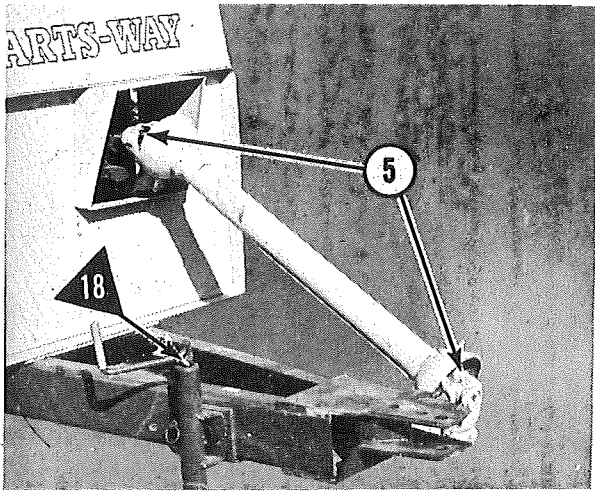
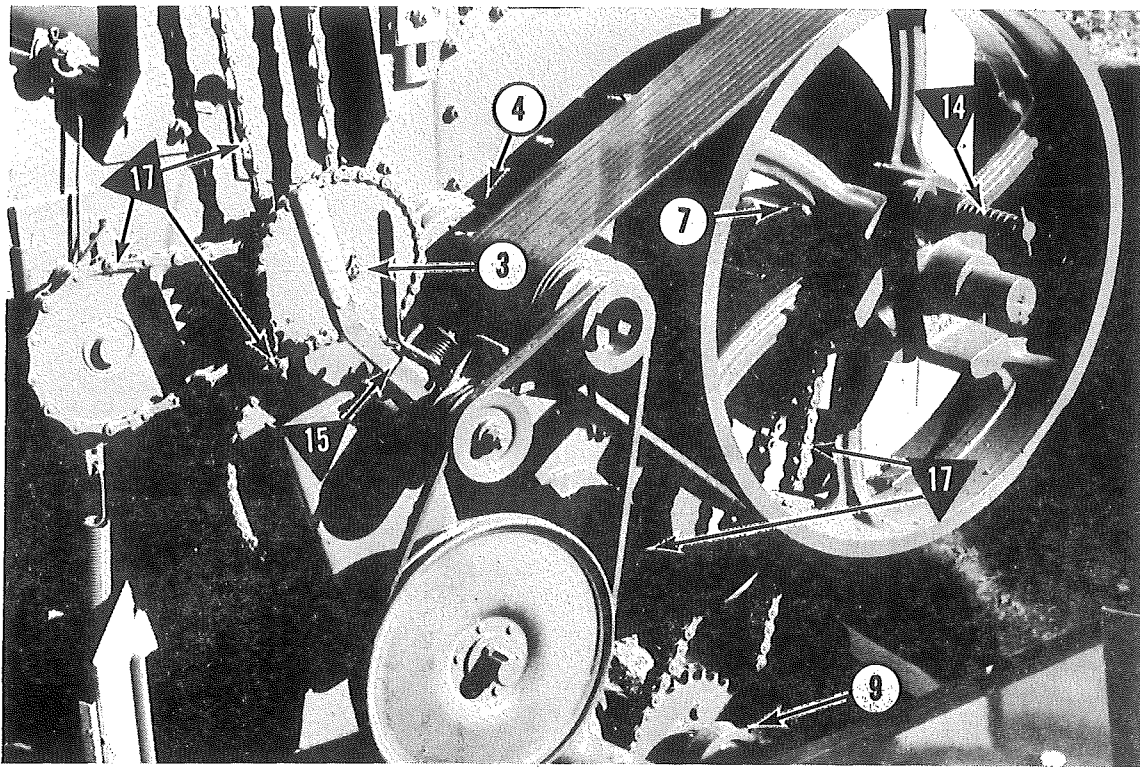
18. Lubricate jack.

19. Repack grease seal on mixing auger with gun grease, every six months.

20. Pack wheel roller bearings yearly, or when necessary.



## LUBRICATION



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

# 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.

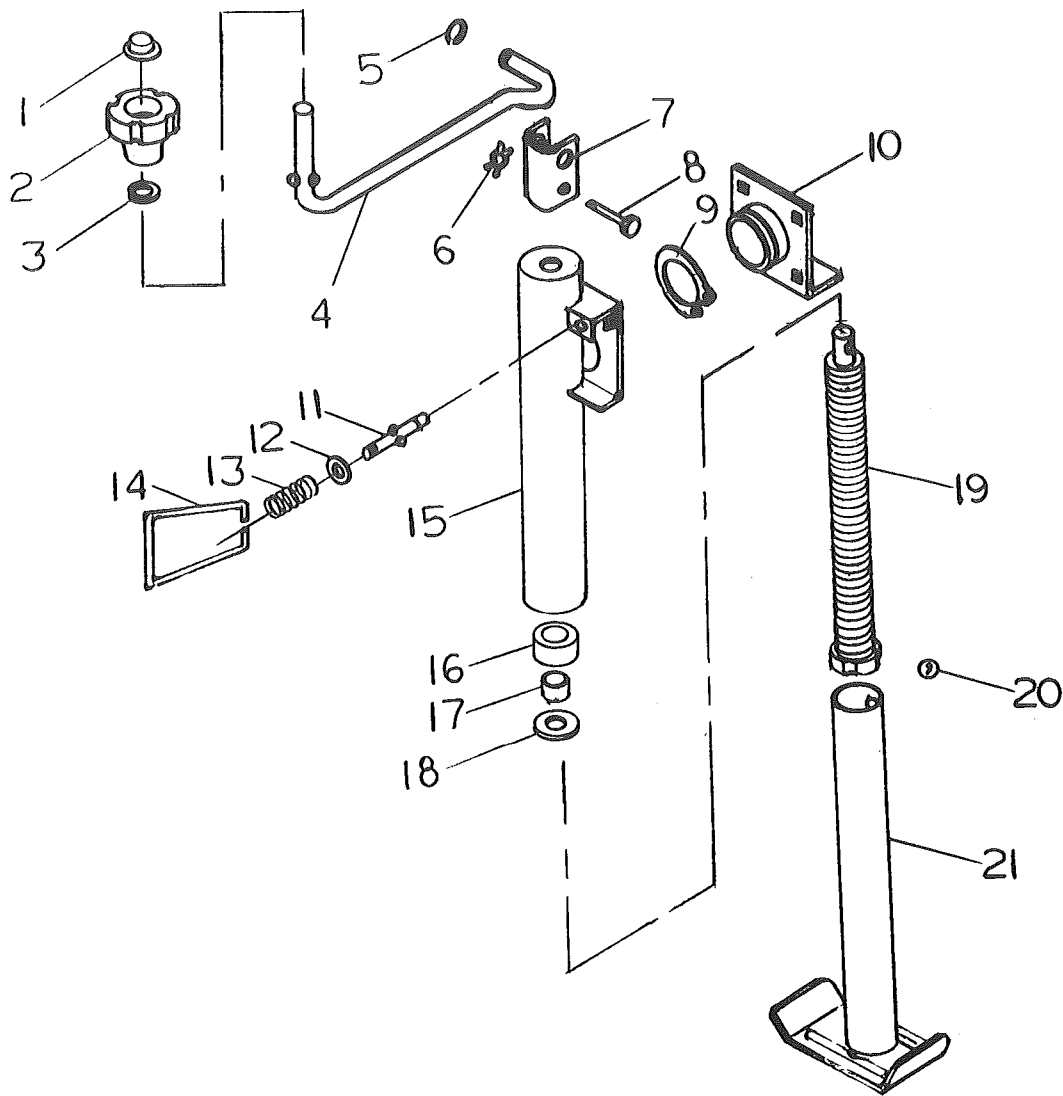
The manufacturer is striving to make the equipment safe, but one careless act by the operator can void all such efforts.

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.

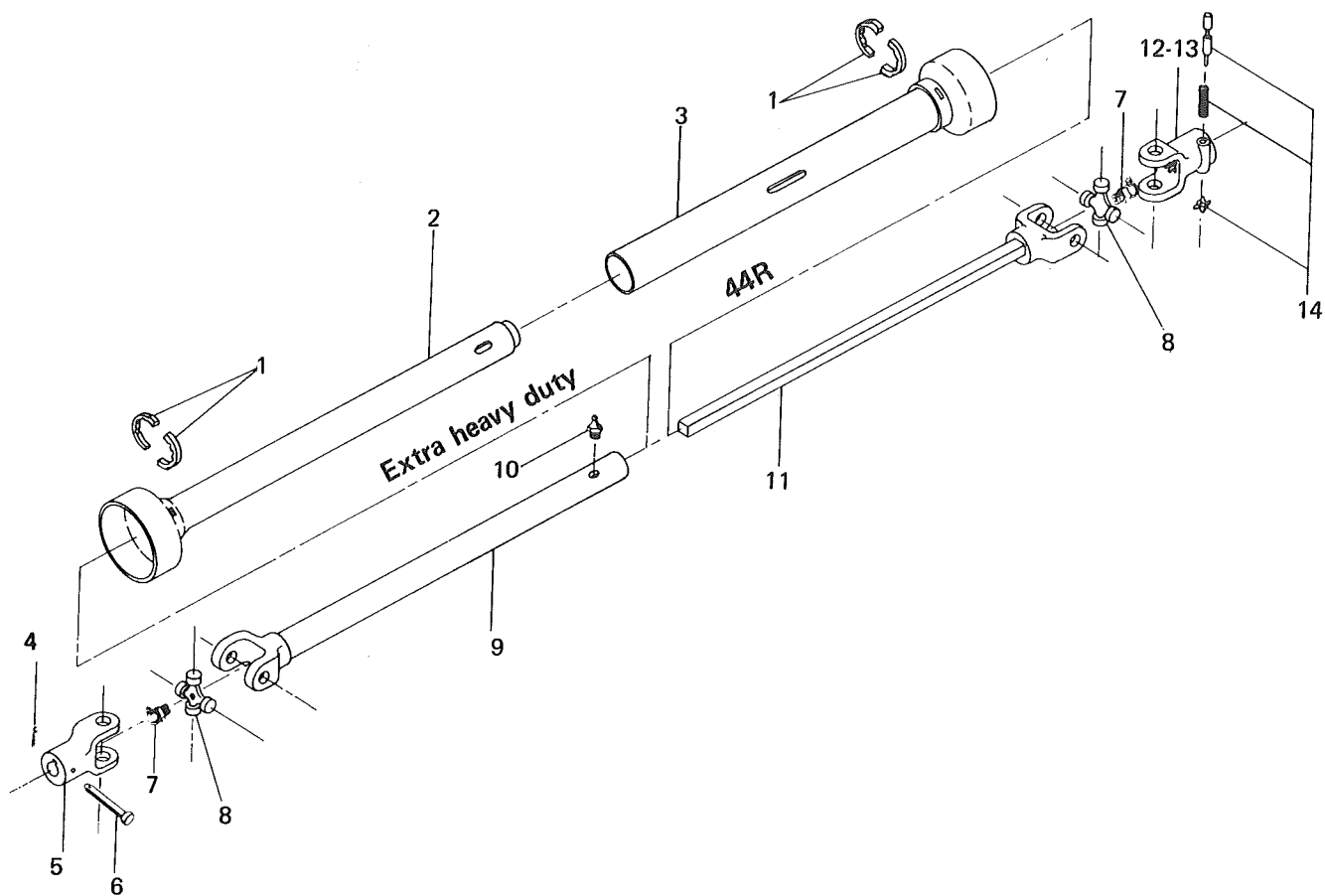
# CAUTION

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## MEMORANDA

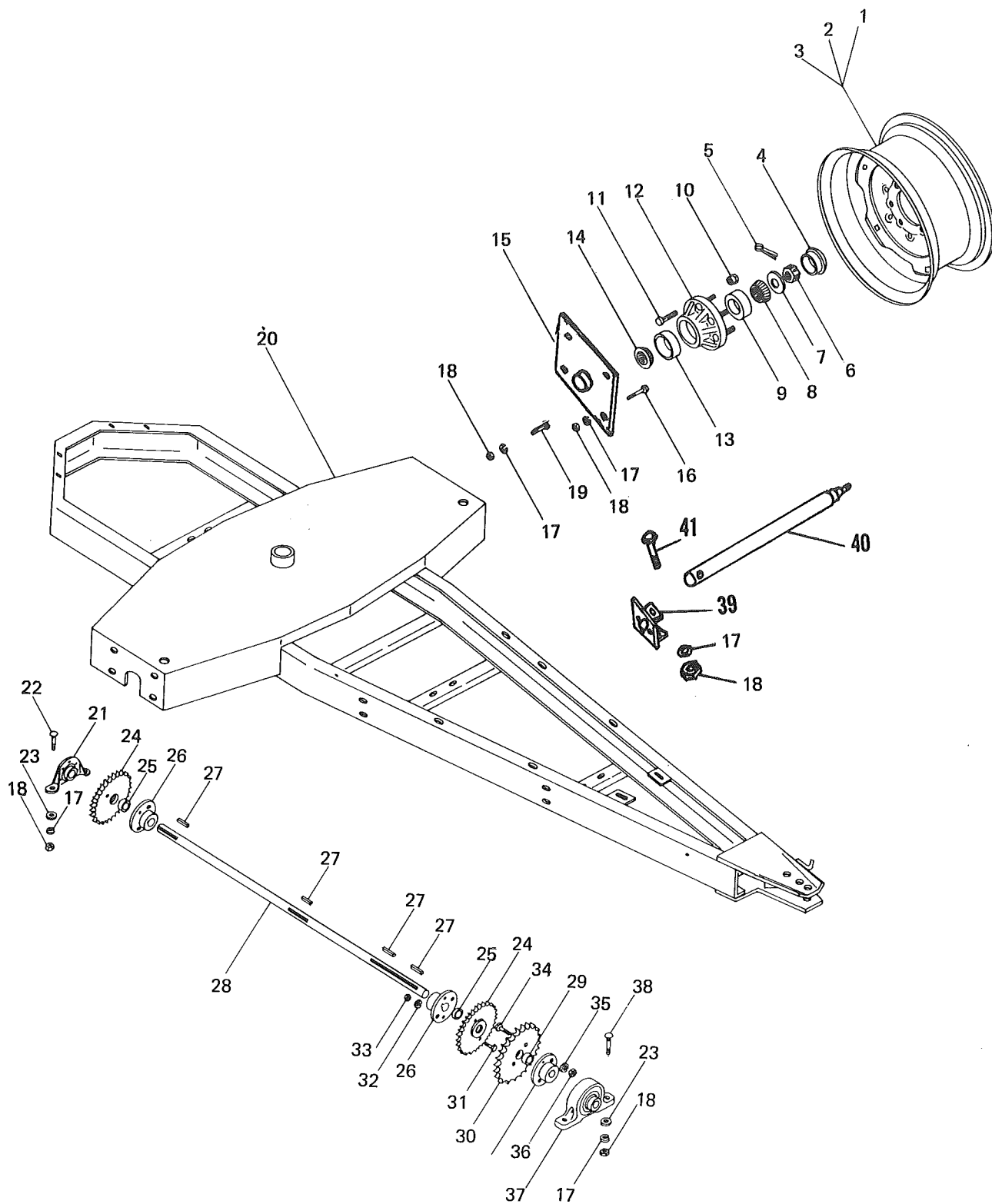


KEY	PART NUMBER	DESCRIPTION
1.	03-4023	Spring Steel Grip Keeper
2.	15-4024	Swivel Grip For Handle
3.	40-4025	Washer, 1/2" Flat
4.	15-4026	Handle For Swivel Jack
5.	40-4027	"C" Washer Holds Jack Crank
6.	40-4032	"X" Washer Holds Crank Pin
7.	21-4028	Sleeve, For Jack Crank Handle
8.	23-4033	Crank Handle Pin
9.	35-4029	Snap Ring Heavy Duty
10.	04-4030	Jack Bracket Welds To Frame
11.	23-4031	Lock Pin Plunger
12.	40-4034	Washer, 1/2" Flat
13.	38-4035	Lock Pin Plunger Spring
14.	35-4036	Pull Ring For Lock Pin
15.	18-4037	Jack Top Assembly
16.	01-4038	Jack Thrust Bearing
17.	05-4039	Nylon Bushing
18.	40-4040	Thrust Bearing Washer
19.	31-4041	Screw Rack Assembly
20.	30-4042	Ball, Rack Keeper
21.	18-4043	Jack Bottom Assembly
22.	18-4044	Complete Jack Assembly





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, Implement 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

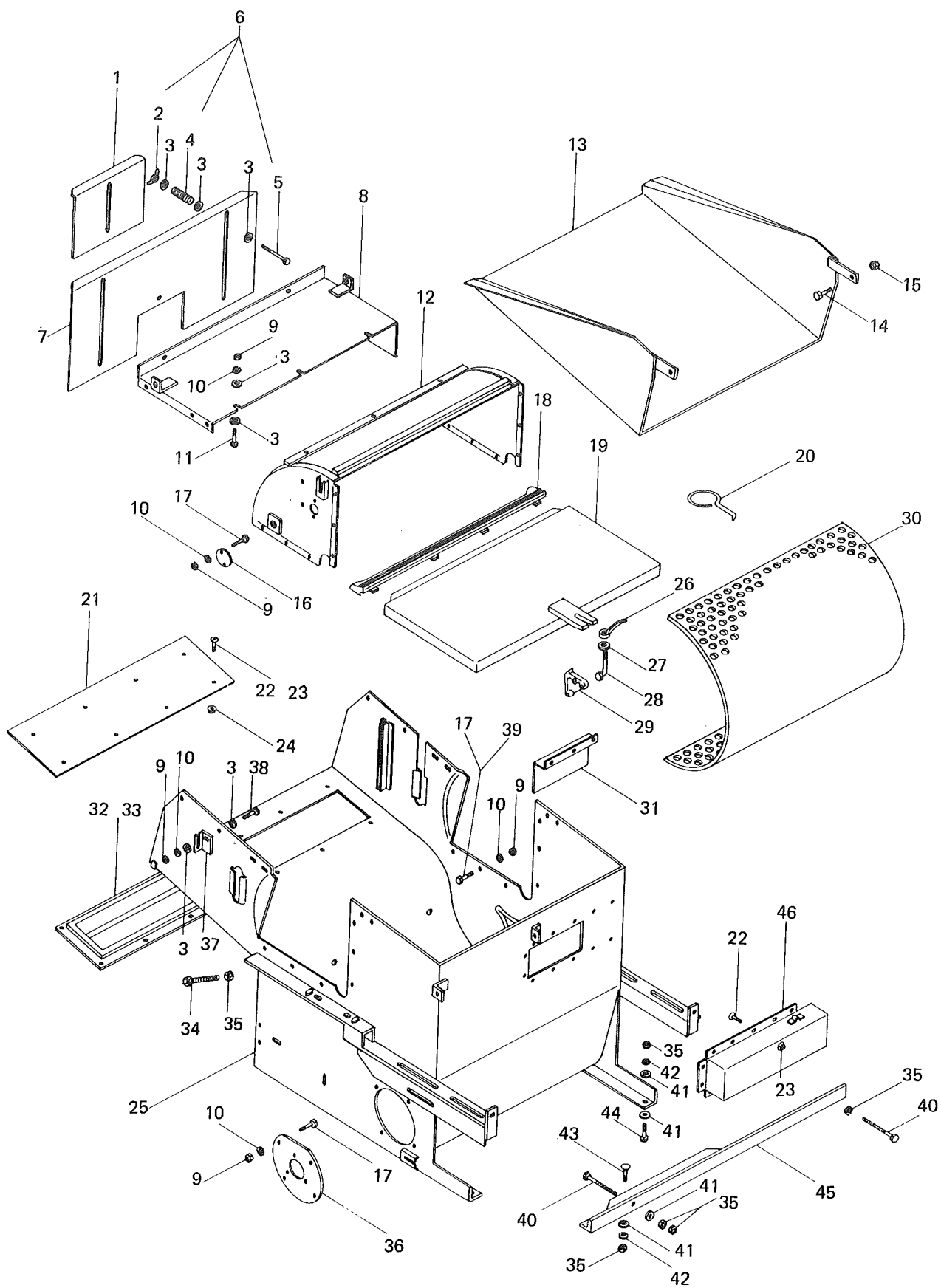






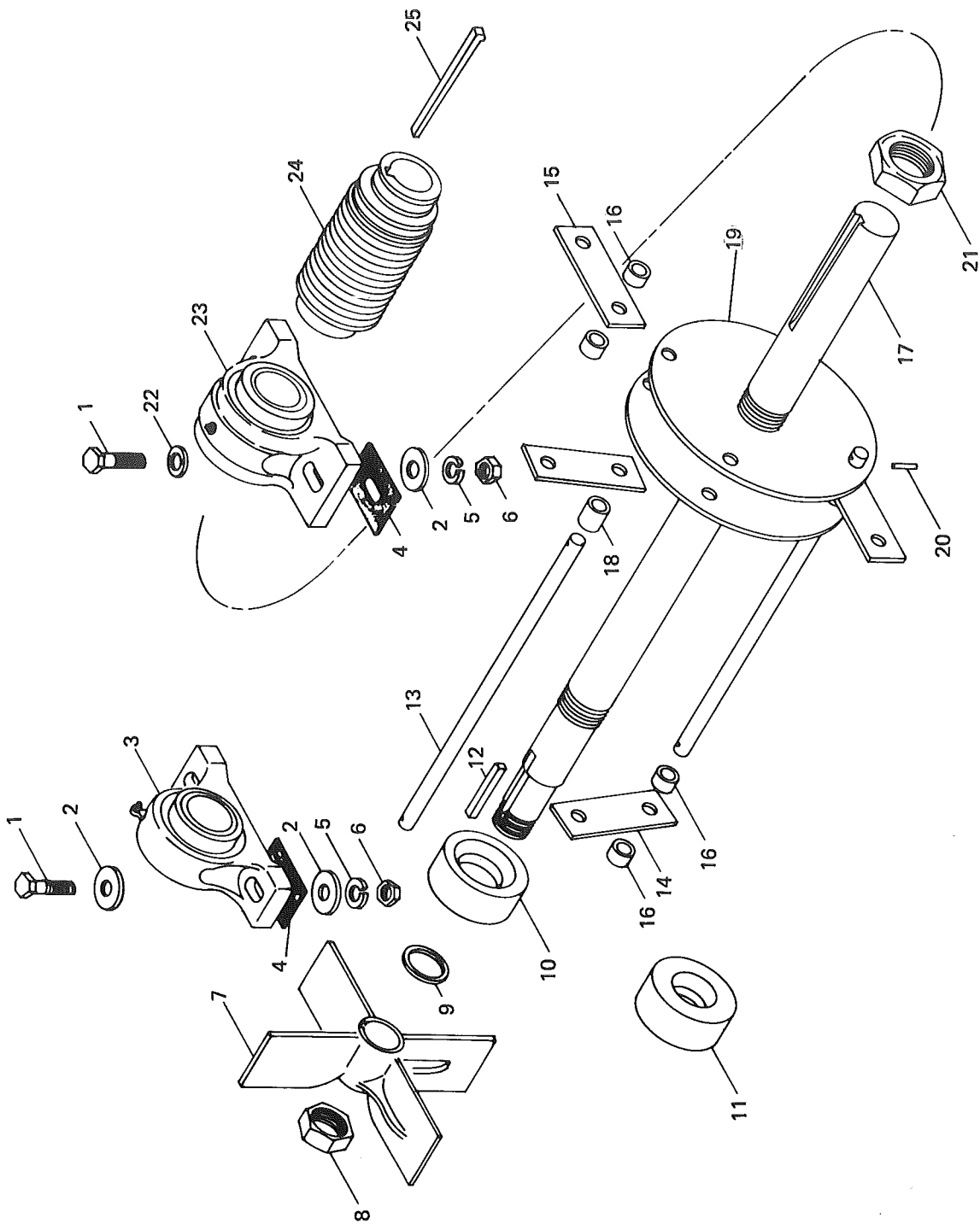
ORIGINAL  
MASTER LIFE

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.	37-3369	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



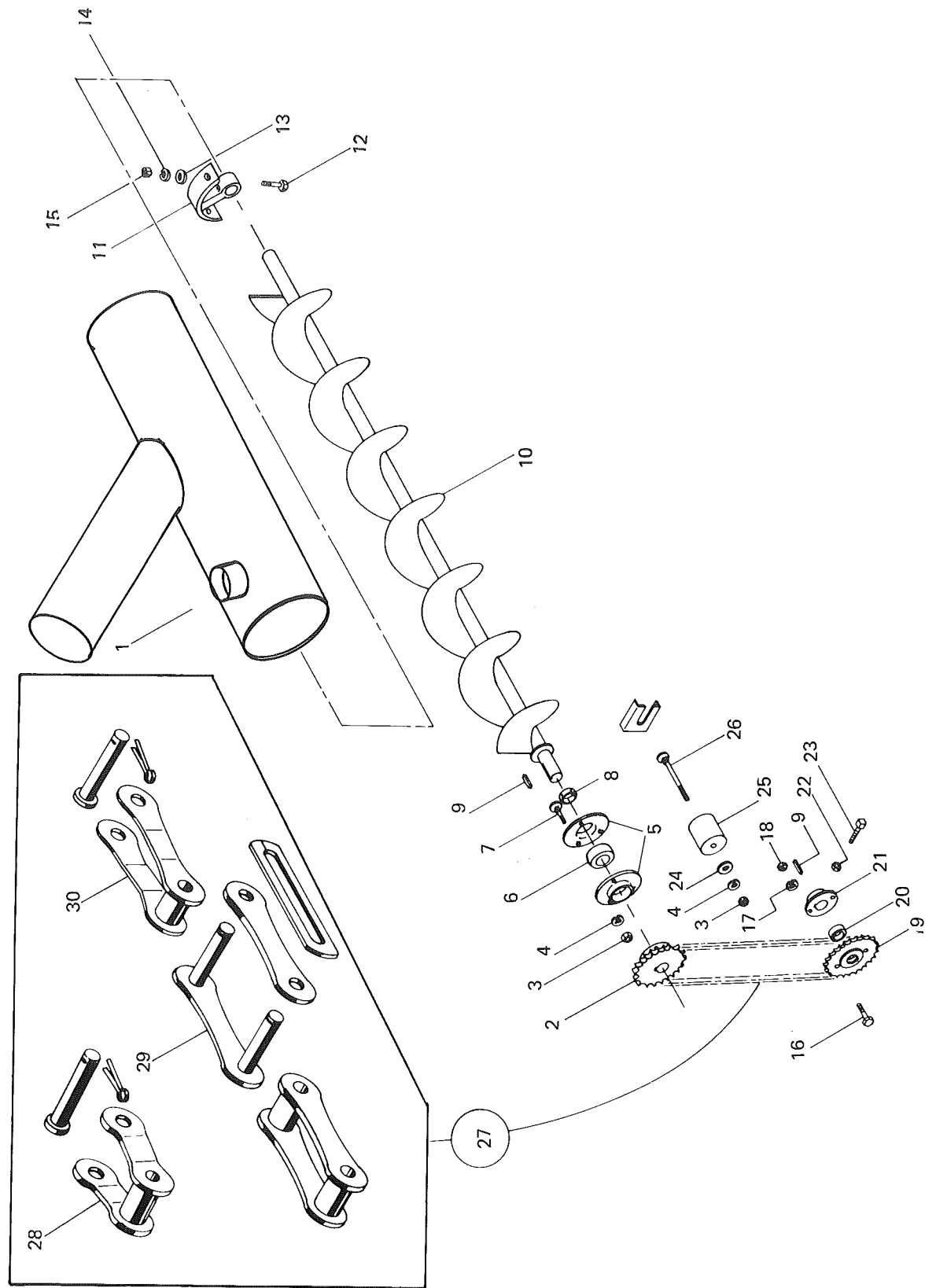


KEY	PART NUMBER	DESCRIPTION
1.	12-1307	Small Feed Control Gate
2.	22-0979	Wing Nut, 5/16", Plated
3.	03-2292	Washer, 5/16" Flat, Plated
4.	38-1308	Compression Spring
5.	03-0980	Bolt, 5/16" x 2 1/2", Hex Cap, Plated
6.	25-0981	Bolt, Wing Nut And Spring
7.	12-1309	Large Feed Control Gate
8.	16-0982	Cover, 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



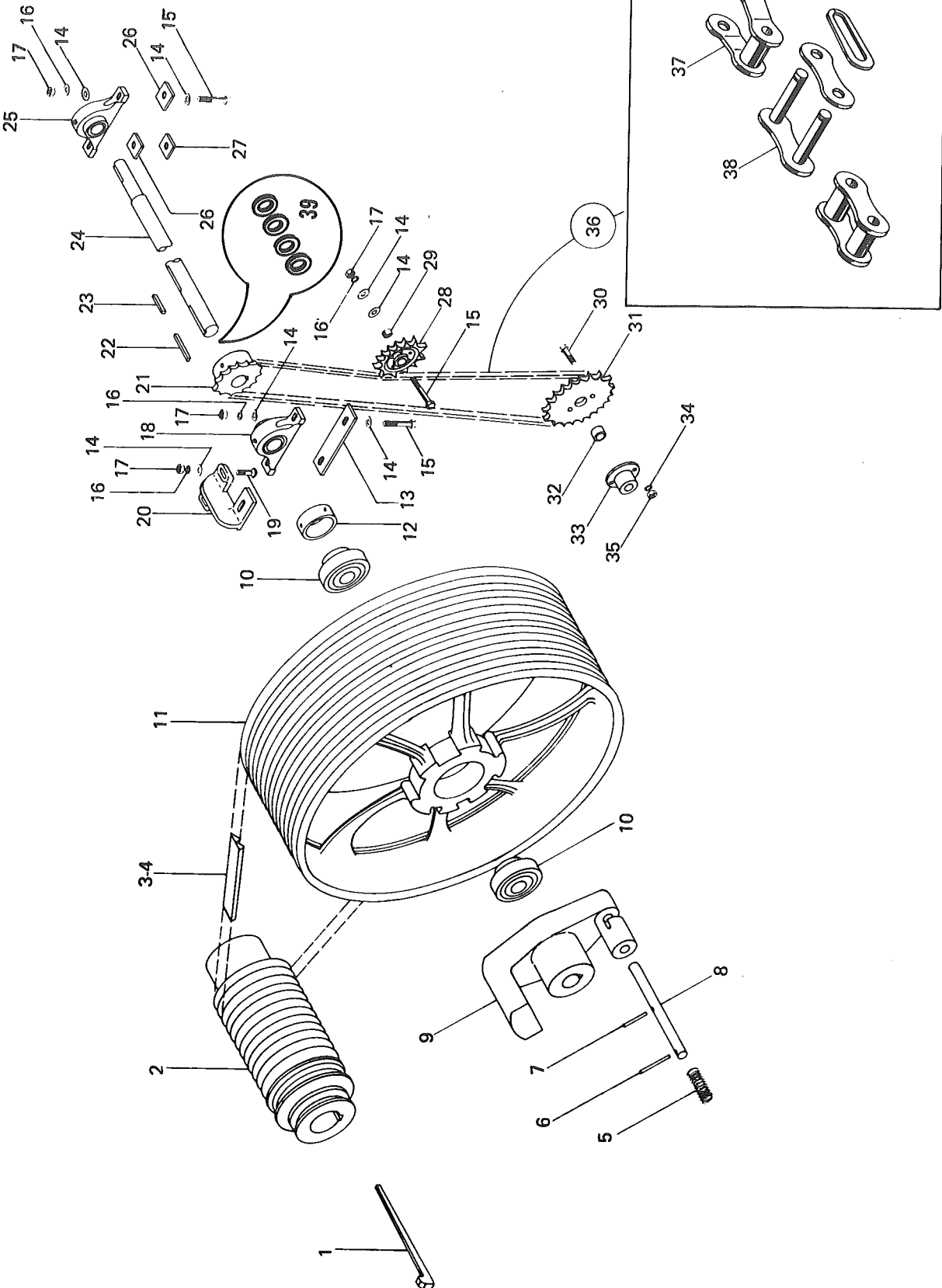


KEY	PART NUMBER	DESCRIPTION
1.	03-1343	Bolt, 5/8" x 2 1/4", H.T., Plated
2.	40-2043	Washer, 5/8" I.D. x 1 1/2" O.D., Plated
3.	01-1342	Bearing, 2" Pillow Block
4.	13-3515	Gasket, Seating
5.	40-2044	Washer, 5/8" Lock, Heavy, Plated
6.	22-2045	Nut, 5/8" Hex, Plated
7.	42-1352	Fan, Blower
8.	22-1353	Nut, 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





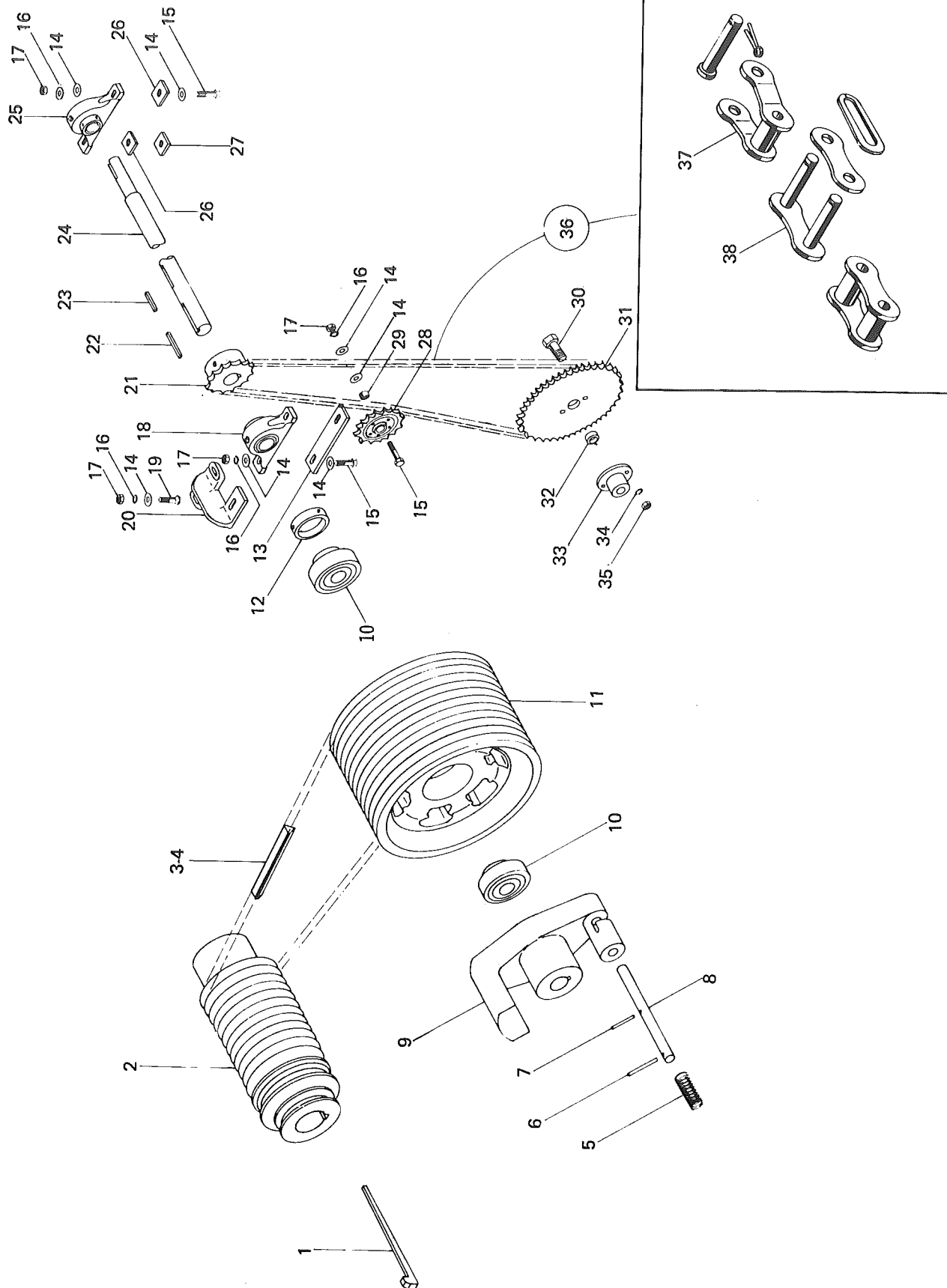
KEY	PART NUMBER	DESCRIPTION
1.	12-3913	Mill To Mixer Tube
2.	37-2186	Sprocket, 40B24, 1 1/8" Bore
3.	22-2726	Nut, 3/8" Hex, Plated
4.	03-2118	Washer, 3/8" Lock, Plated
5.	01-1915	Flange, 10 Gage (2 Required)
6.	01-2023	Bearing, 1 1/8"
7.	03-2017	Bolt, 3/8" x 1", Carriage, Plated
8.	01-2010	Collar, Lock
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







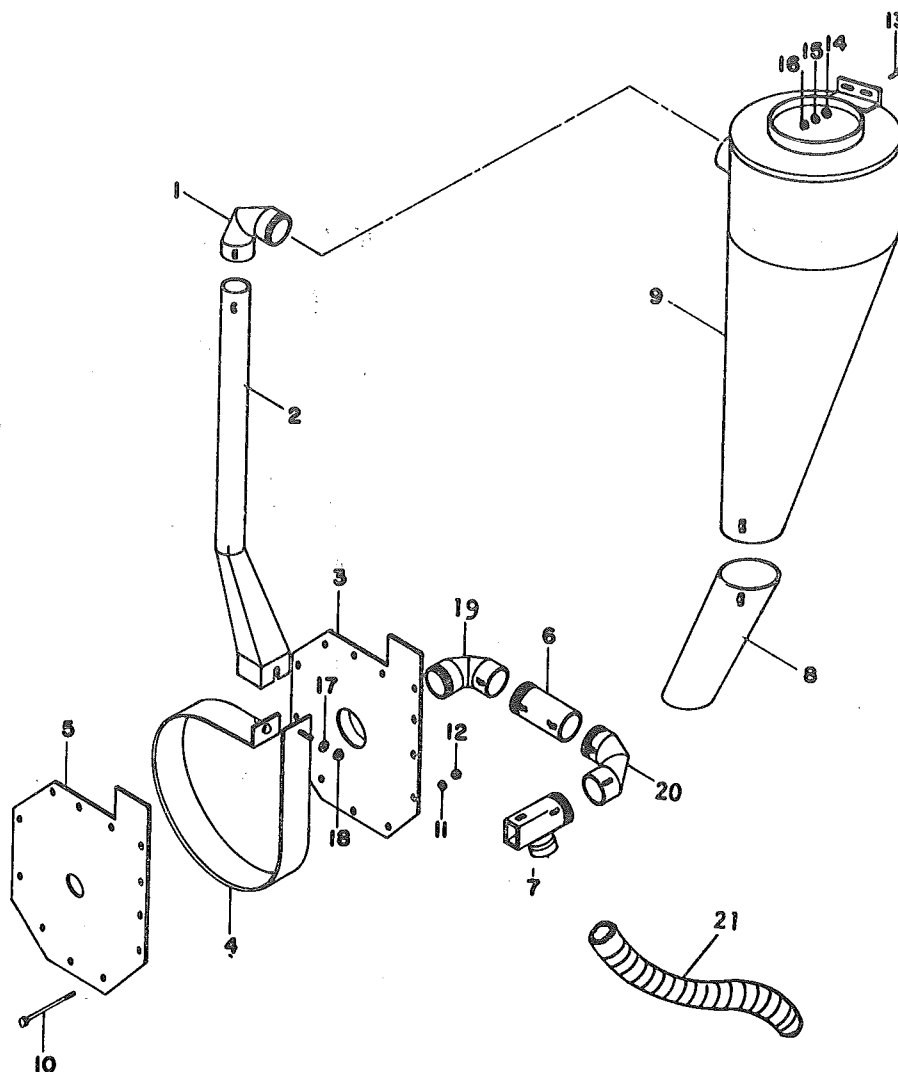
KEY	PART NUMBER	DESCRIPTION
1.	19-1341	3/8", Gib Head, Tapered Key
2.	27-1340	4", 14 Groove Pulley
3.	02-1361	Matched Set Of Twelve 3V800 Belts
	02-1362	Single 3V800 Belt (Not Sold Separately Unless Belt Lot Number Is Known)
4.	02-2108	Matched Set of Six Bands Of Two 3V800 Belts Bonded Together
	02-2109	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



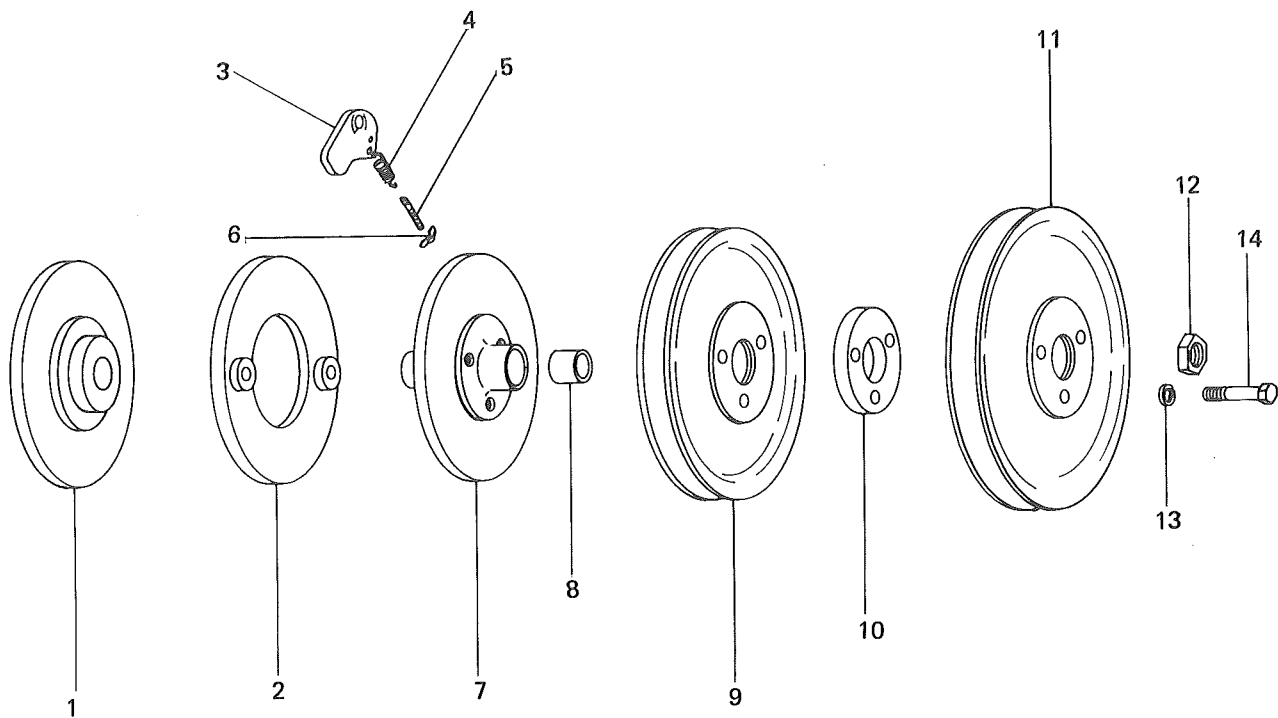


MAINTENANCE

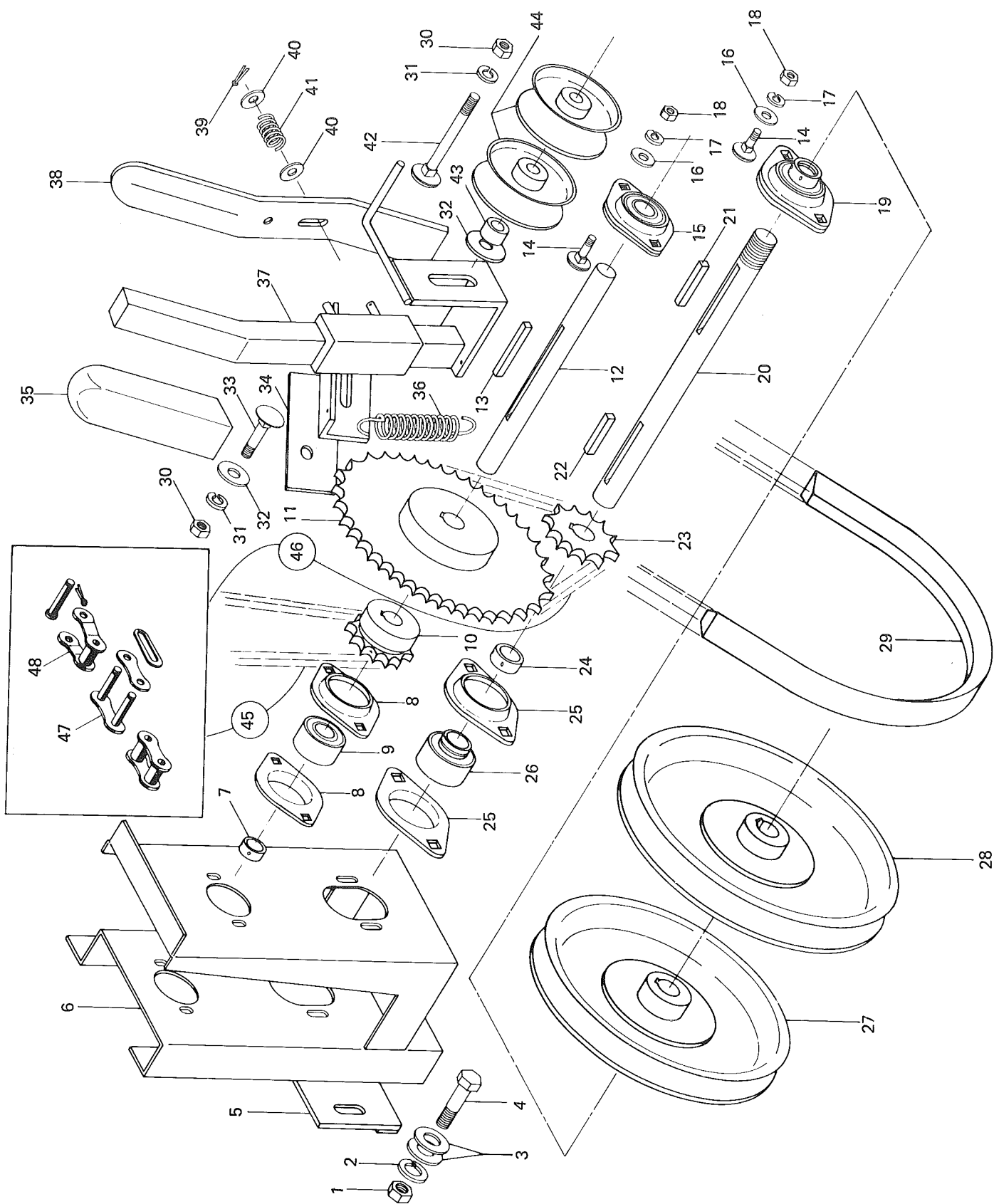
KEY	PART NUMBER	DESCRIPTION
1.	19-1341	3/8", Gib Head, Tapered Key
2.	27-1340	4", 14 Groove Pulley
3.	02-1390	Matched Set Of Twelve 3V600 Belts
	02-3588	Single 3V600 Belt (Not Sold Separately Unless Belt Lot Number Is Known)
4.	02-2128	Matched Set Of Six Bands Of Two 3V600 Belts Bonded Together
	02-2129	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	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.	27-1387	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, 1 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



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.

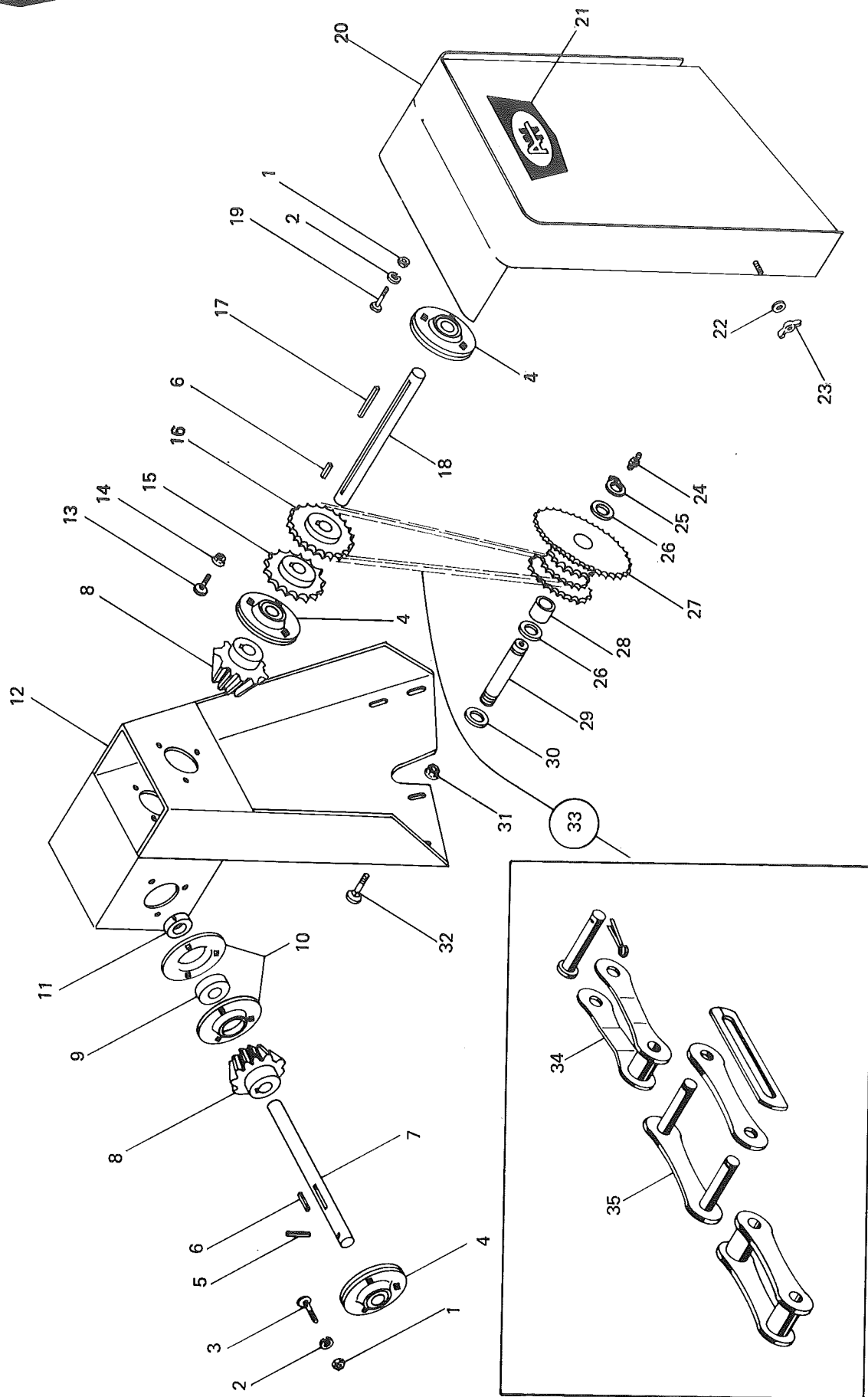


KEY	PART NUMBER	DESCRIPTION
1.	26-1703	Plate, Governor Driven
2.	26-1704	Plate, Pressure Drive
3.	26-1707	Weight, Governor
4.	38-1706	Spring, 109 Extension
5.	03-1705	Bolt, 1/4" x 2", With 1/8" Hole
6.	22-1253	Wing Nut, 1/4", Plated
	22-3755	Self Locking Nut 1/4"
7.	26-1708	Plate, Governor Drive
8.	05-1316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





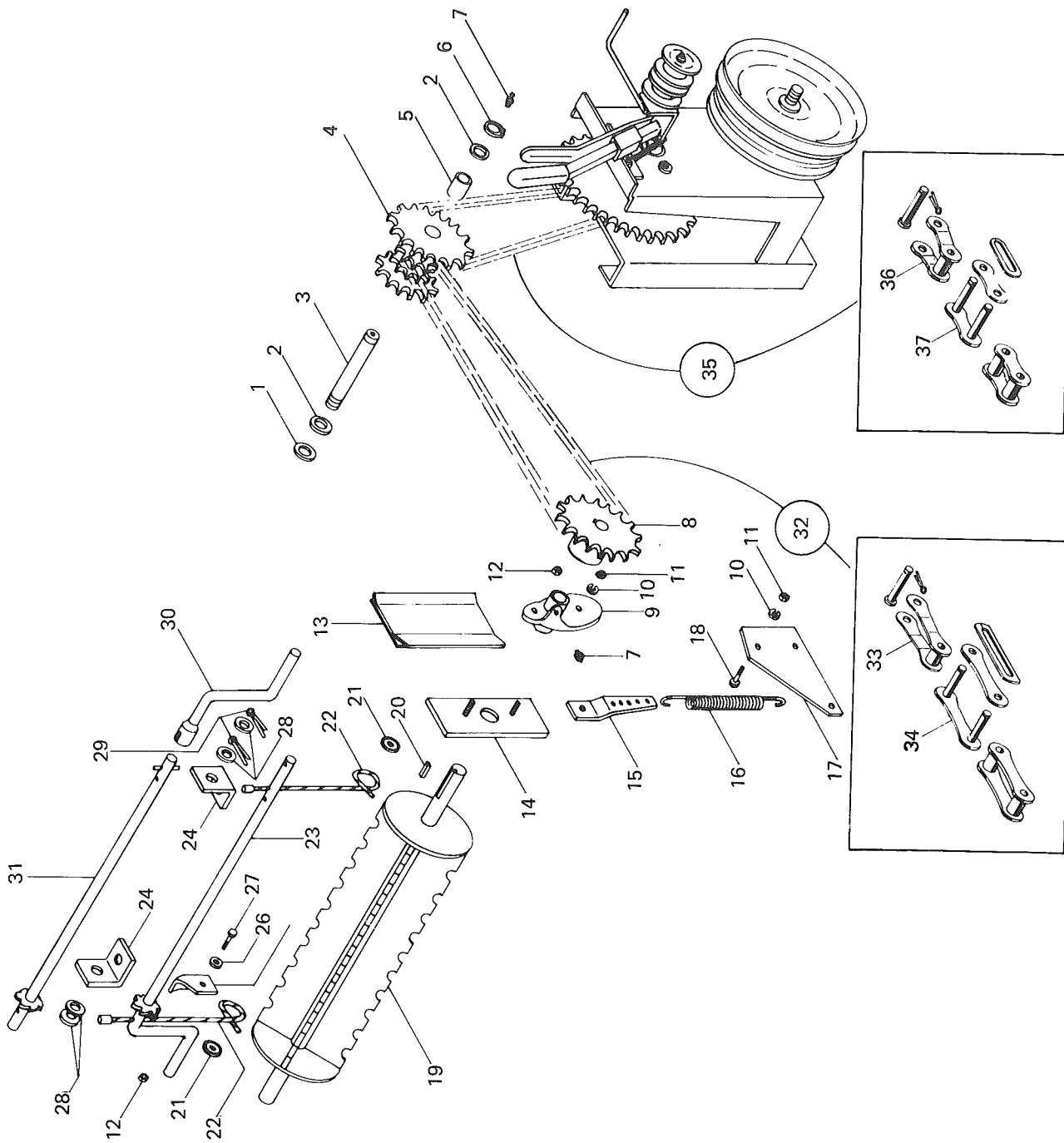
KEY	PART NUMBER	DESCRIPTION
1.	22-0536	Nut, 1/2" Hex, Plated
2.	40-0537	Washer, 1/2" Lock, Plated
3.	40-0520	Washer, 1/2" Flat, Plated
4.	03-1477	Bolt, 1/2" x 1 1/2", Hex Cap, Plated
5.	36-1478	Shim For Bottom Drive Unit
6.	12-1479	Bottom Drive Unit
7.	01-0857	Lock Collar For 3/4" Bearing
8.	01-0858	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





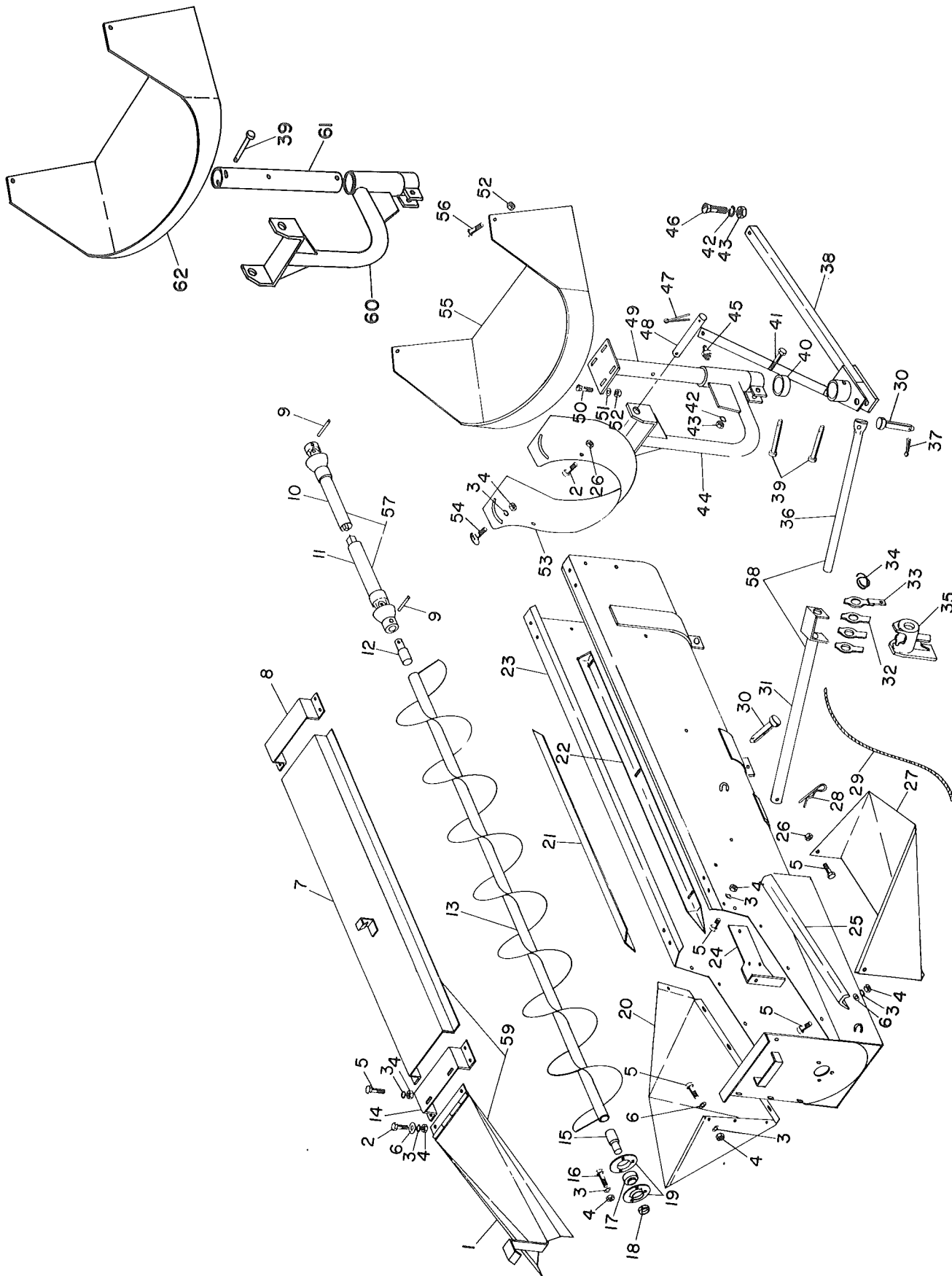


KEY	PART NUMBER	DESCRIPTION
1.	22-2363	Nut, 5/16" Hex, Plated
2.	40-2362	Washer, 5/16" Lock, Plated
3.	03-3297	Bolt, 5/16" x 1", Carriage, Plated
4.	01-1130	Bearing, Flanges And Collar (Complete 1" Unit)
5.	23-1401	5/16" x 1 5/8" Expanpin
6.	19-1000	Key, 1/4" x 1/4" x 1"
7.	32-1476	1" x 9" Shaft
8.	14-1232	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





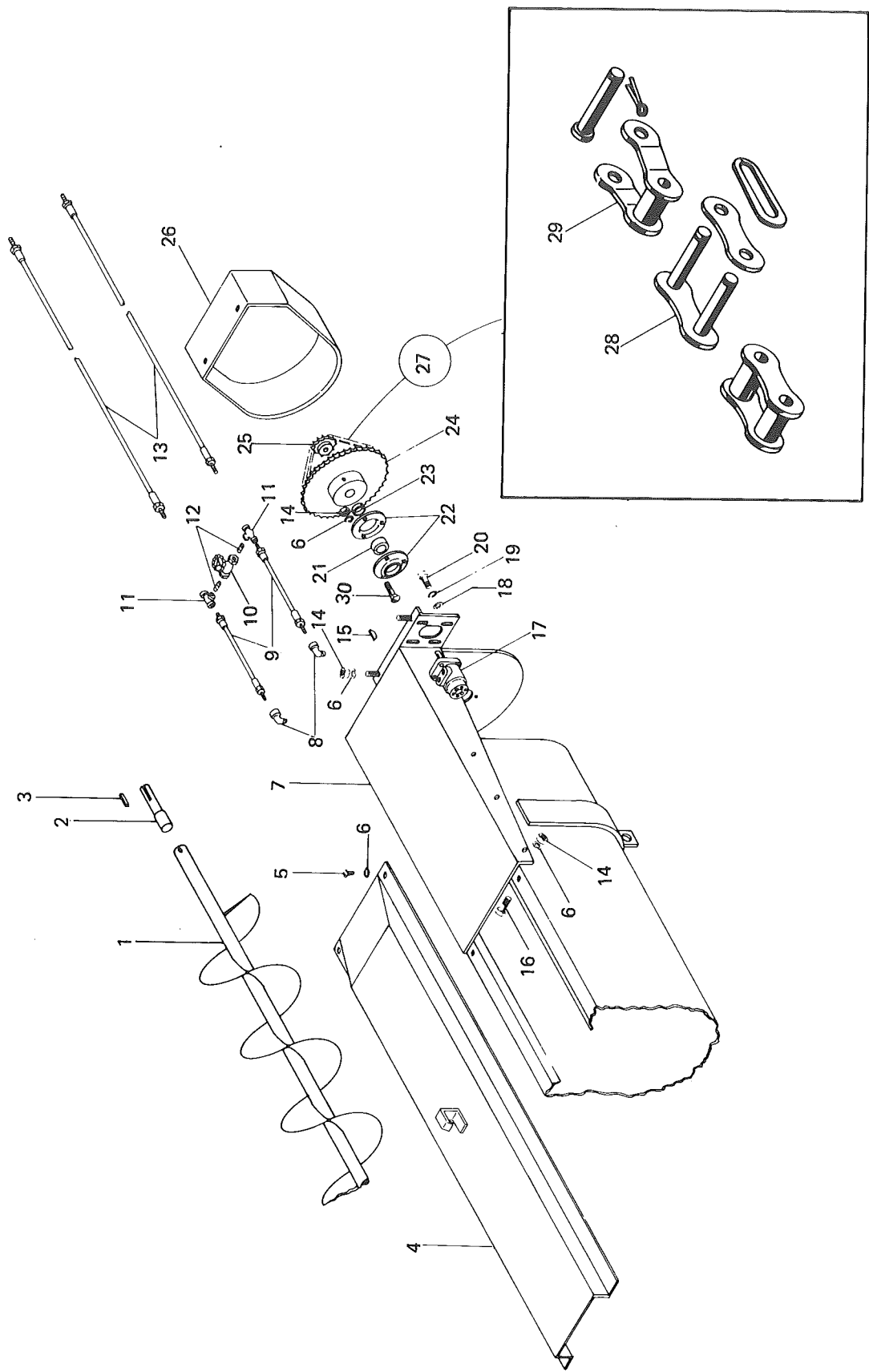
KEY	PART NUMBER	DESCRIPTION
1.	40-0310	Washer, 1" I.D. x 1 1/2" O.D. x 12 Gage
2.	40-1323	Washer, 1" I.D. x 1 1/2" O.D. x 10 Gage
3.	32-1474	1" x 4 1/2" Shaft, L.H. Thread
4.	37-1475	Cluster Sprocket, 40A40, 50-13, 13 & 18
5.	05-1316	1" x 1 1/4" x 1 1/4" Brass Bushing (2 Required)
6.	35-1325	1" Snap 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.	33-2365	Bottom Drag Auger Safety Shield
2.	03-1214	Bolt, 5/16" x 3/4" Hex
3.	40-2362	5/16" Lock Washer
4.	22-2363	Hex Nut 5/16"
5.	03-0688	Bolt, 5/16" x 5/8" Hex
6.	03-2292	5/16" Flat Washer
7.	33-2361	Main Drag Auger Safety Shield
8.	04-2360	Top Brace Support Bracket
9.	23-1401	5/16" x 1 5/8" Expanpin
10.	26-1501	Power Shaft Half - Attaches To Top Drive Unit
11.	26-1502	Power Shaft Half - Attaches To Auger
12.	32-1533	Plug, Top 1" x 1 5/8" x 3" Welded
13.	32-1405	10" Auger For 7' Feeder
14.	04-2364	Bottom Brace Support Bracket
15.	32-1532	Plug, Bottom 1" x 1 5/8" x 4" Welded
16.	03-0590	Bolt, 5/16" x 1" Hex
17.	01-1231	1" Bearing Only
18.	01-1230	Collar Only For 1" Bearing
19.	01-1233	Flange For 1" Bearing
20.	33-1515	Left Side Of Bottom Hopper Panel
21.	42-2139	Angle Iron For Left Side Of Feeder
22.	42-1505	Angle Iron For Right Side Of Feeder
23.	16-1513	Auger Feeder Housing
24.	04-1543	Hinge and Support Plate
25.	04-1542	Angle, Bottom Reinforcing
26.	03-2203	Nut, 5/16" Hex Self Locking
27.	33-1541	Right Side Folding Hopper Panel
28.	23-3583	Hair Pin 3/16" x 3"
29.	42-1899	Polypropylene Rope 7'6" x 3/16" Yellow
30.	23-2143	Clevis Pin 3/8" x 2 1/4"
31.	18-1413	Top Support Pipe Of Jack
32.	40-1536	Washers - Set Of 4 Clamping
33.	40-3584	1 - Clamping Washer With Hole For Rope
34.	38-1520	Spring For Clamp
35.	06-1414	Clamp For Jack (Complete With Spring And Washers)
36.	18-1415	Bottom Support Pipe Of Jack
37.	19-3585	Cotter Pin 5/32" x 1 1/4"
38.	04-1511	Bottom Support For Swivel Unit ("A" Frame)
39.	23-2142	Clevis Pin 3/8" x 2 3/4"
40.	36-3586	Spacer, Pipe 3/4" x 2 1/2"
41.	03-2539	Bolt, 1/2" x 1 3/4" Hex
42.	40-0537	Lock Washer 1/2"
43.	22-0536	Nut, 1/2" Hex
44.	04-1508	Swinging Auger Housing Support
45.	42-1317	Grease Fitting
46.	03-0539	Bolt 1/2" x 1" Carriage
47.	19-2663	Cotter Pin 5/32" x 1 1/2"
48.	29-1512	Rod, 3/4" x 10"
49.	24-3587	Vertical Support Pipe 21" Long
50.	03-2017	Bolt, 3/8" x 1" Carriage
51.	03-2119	Washer, 3/8" Flat
52.	22-2306	Nut, 3/8" Hex, Self Locking
53.	33-1506	Auger Housing Downspout
54.	03-3332	Bolt 5/16" x 3/4" Step Carriage
55.	15-1507	Hopper For Hammer Mill
56.	03-2123	Bolt, 3/8" x 3/4" Hex
57.	26-1503	Complete Power Shaft For Auger Feeder
58.	18-1519	Complete Jack Support For Auger Feeder
59.	20-2366	Safety Shield Kit
60.	04-3665	Support Swivel
61.	24-3664	Vertical Post
62.	16-3663	Hopper For Mill

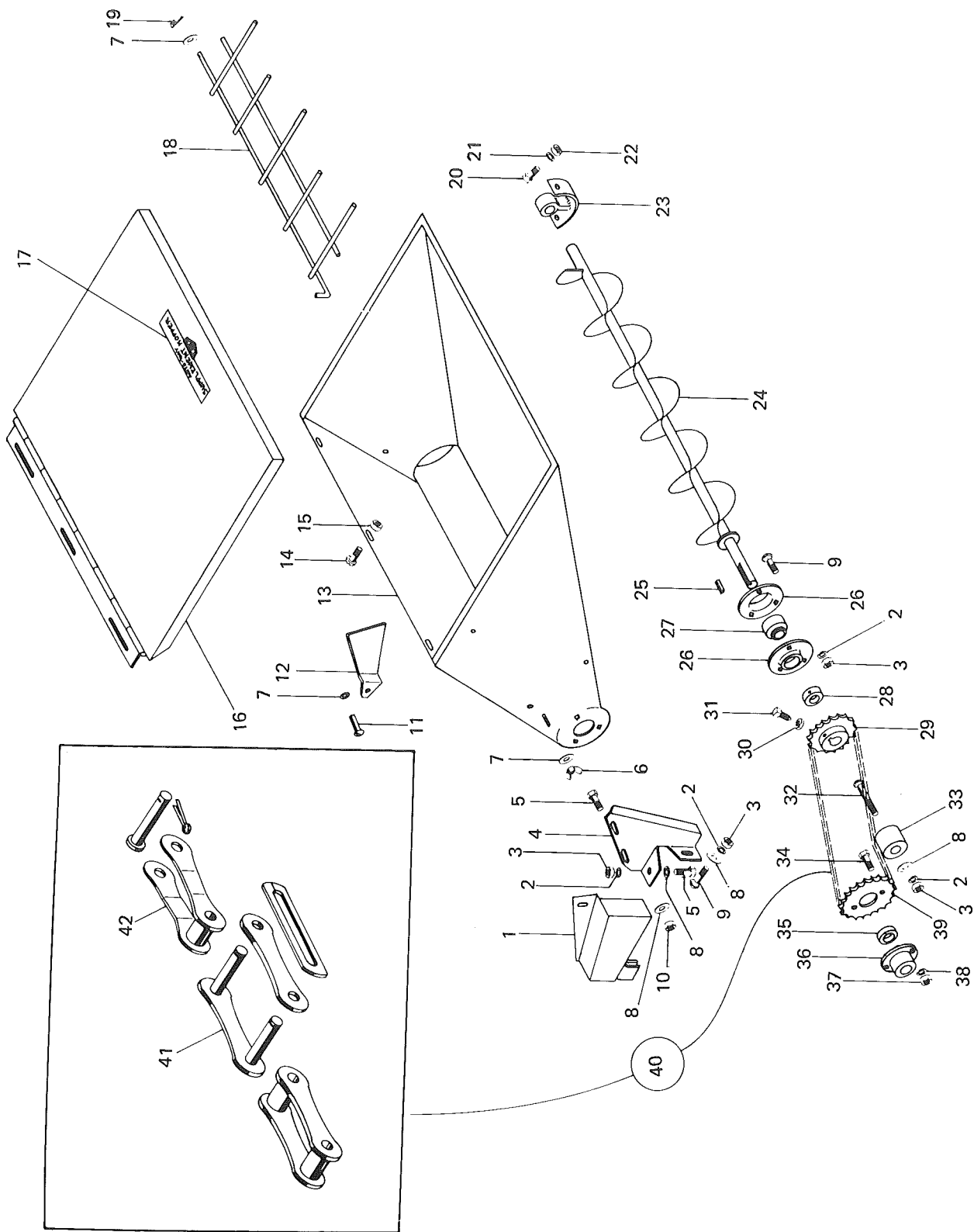
Note: Numbers 60, 61, & 62 Used After Serial Number 705177





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.	17-1400	1/2" Hydraulic Hose x 12" Long
10.	17-1424	1/2" Gate Valve Regulator
11.	24-0632	1/2" Black Tee
12.	24-0631	1/2" Close Nipple
13.	17-1425	1/2" Hydraulic Hose x 14 1/4" Long
14.	22-2019	Nut, 5/16", Hex, Plated
15.	19-0618	Half Moon Key, 1/4" x 1"
16.	03-1214	Bolt, 5/16" x 3/4", Hex Cap, Plated
17.	17-1428	Char-Lynn Hydraulic Motor
18.	03-2119	Washer, 3/8", Flat, Plated
19.	03-2118	Washer, 3/8", Lock, Plated
20.	03-2123	Bolt, 3/8" x 3/4", Hex Cap, Plated
21.	01-1231	1" Bearing
22.	01-1233	Flange For 1" Bearing
23.	01-1230	Lock Collar For 1" Bearing
24.	37-1421	40B48 Sprocket, 1" Bore
	37-1422	40B54 Sprocket, 1" Bore
25.	37-1081	40B13 Sprocket, 1" Bore
26.	33-3594	Shield, Drag Auger Drive
27.	08-1426	Chain, RC40, 72 Pitch, Including Connector And Offsets (Use With 48T. Sprocket)
	08-3595	Chain, RC40, 78 Pitch, Including Connector And Offsets (Use With 54T. Sprocket)
28.	08-1329	Connector Link With Spring Clip
29.	08-1328	Offset Link
30.	03-1241	Bolt, 5/16" x 3/4" Carriage, Plated

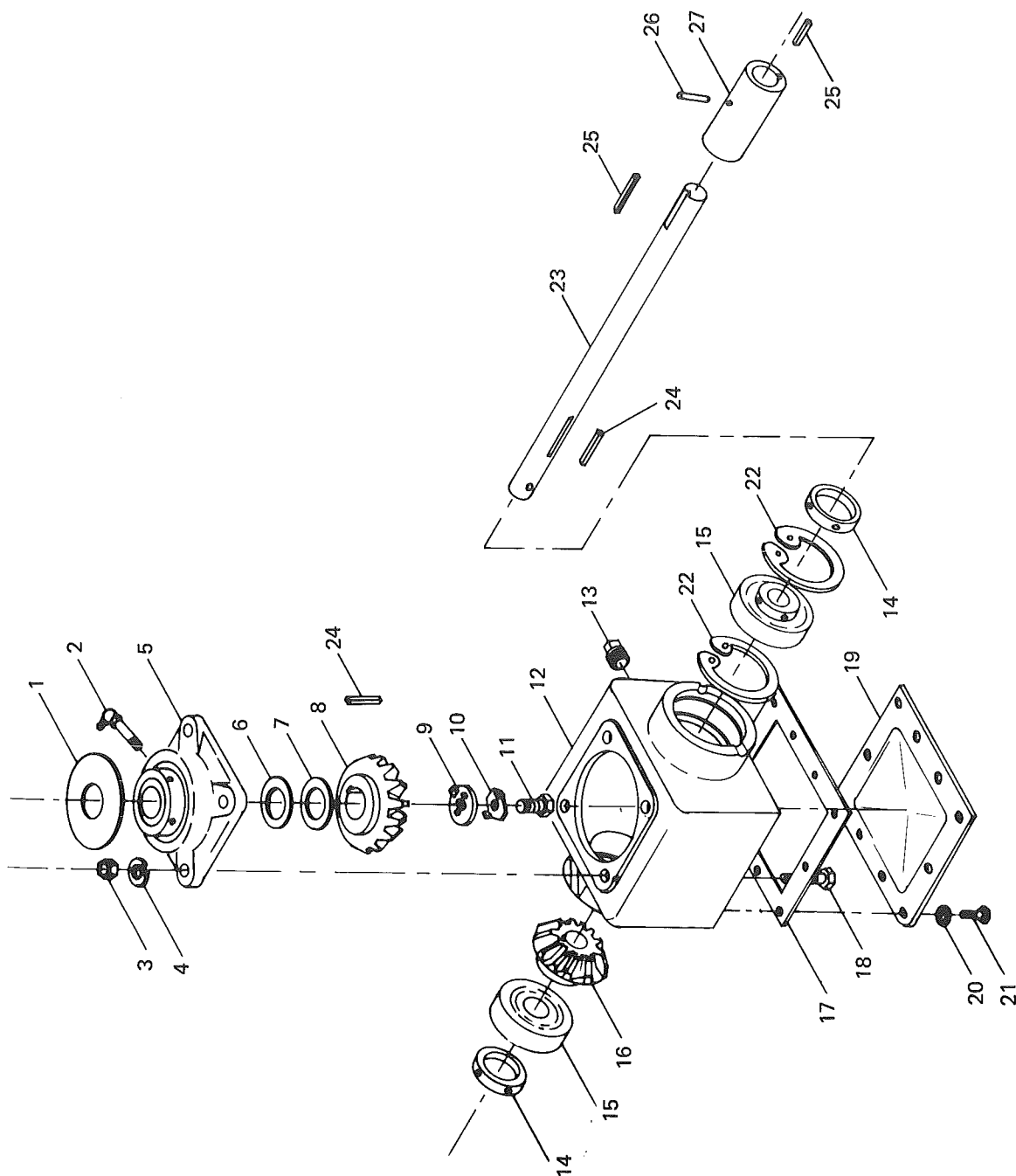
Note: See Pages 36 And 37 For Balance Of Auger Feeder Parts





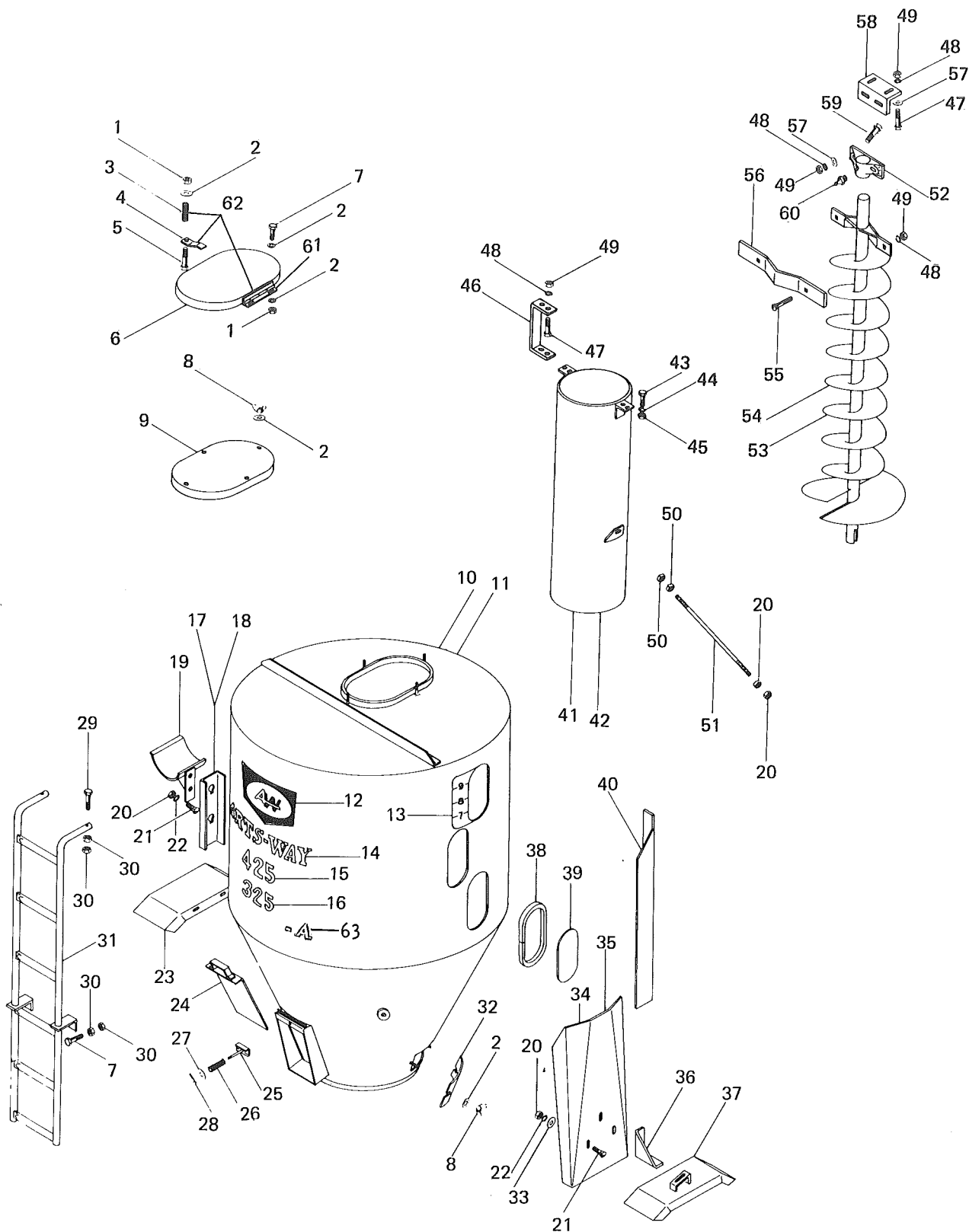


KEY	PART NUMBER	DESCRIPTION
1.	33-3534 33-3623	Shield, Supplement Hopper Drive Shield, Used With Lower Drive, Used After Serial Number 704559
2.	03-2118	Washer, 3/8" Lock, Plated
3.	22-2726	Nut, 3/8" Hex, Plated
4.	12-3535	Bracket, Supplement Hopper Support
5.	03-1226	Bolt, 3/8" x 1", Hex Cap, Plated
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	Decal, 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.	37-3369	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



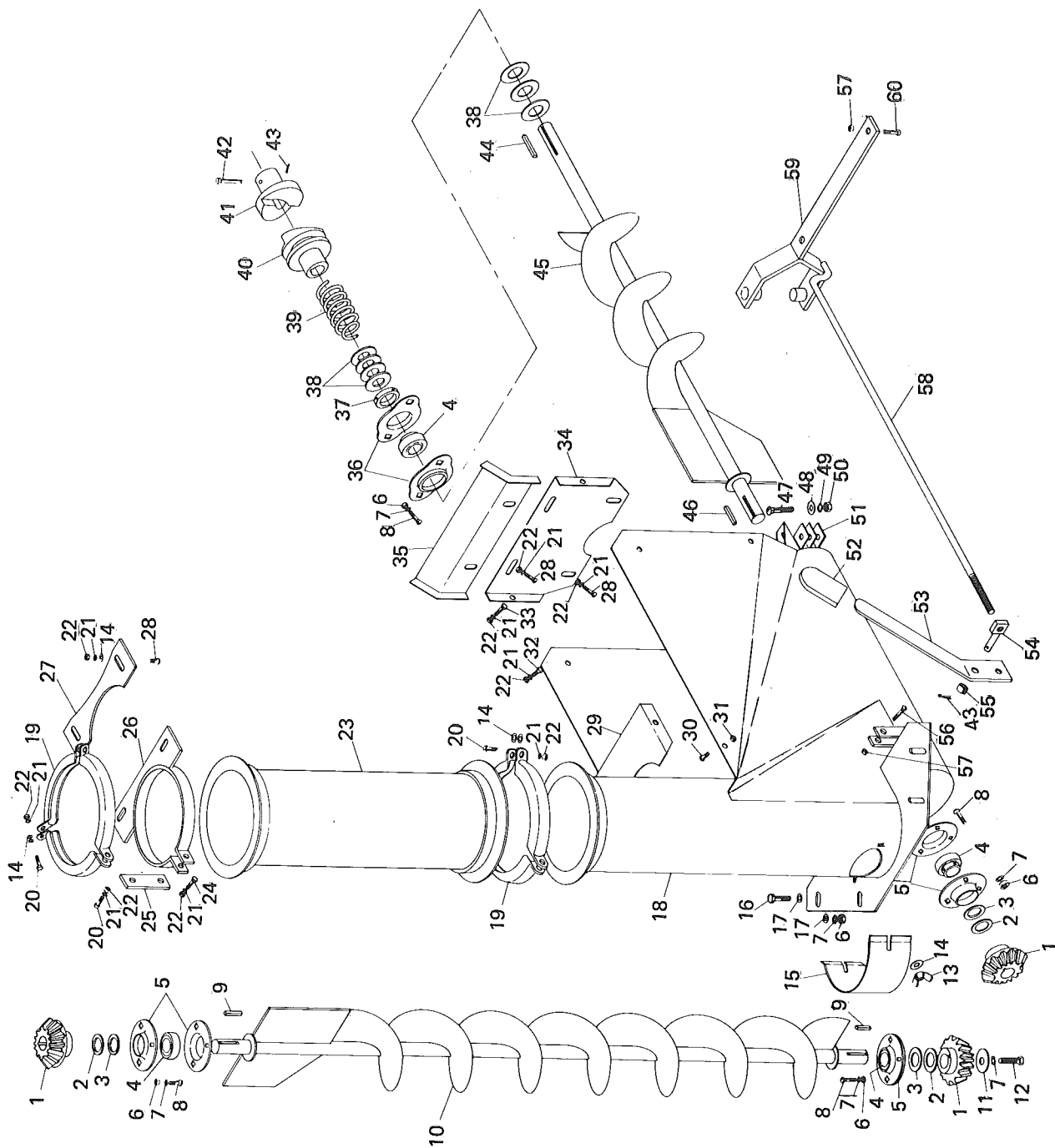


KEY	PART NUMBER	DESCRIPTION
1.	33-1057	Bearing Protector Plate
2.	31-1055	Long Grease Fitting
3.	22-3754	Nut, 1/2" Hex, Plastic Insert Lock
4.	40-0537	Washer, 1/2" Lock
5.	01-2027	Bearing, 1 5/8" Flange
6.	40-2029	10 Ga. Washer, 1 5/8" I.D. x 2 1/4" O.D.
7.	40-2030	18 Ga. Washer, 1 5/8" I.D. x 2 1/4" 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.	32-3505	Shaft, 1 1/4" x 18" Ground And Polished
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



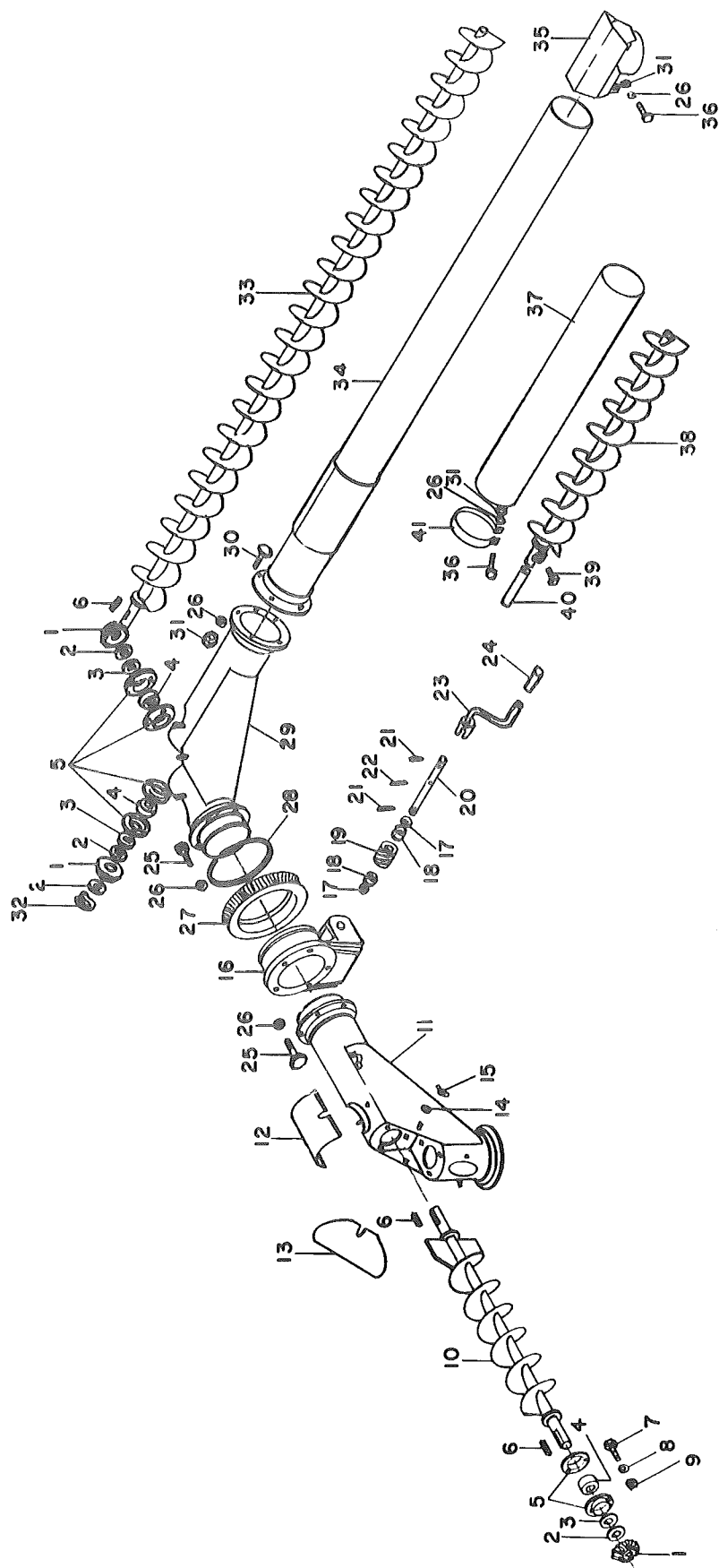


KEY	PART NUMBER	DESCRIPTION
1.	03-2203	Nut, 5/16" Hex, Self Locking
2.	03-2292	Washer, 5/16" Flat, Plated
3.	38-1308	Spring, Lid Holder
4.	04-2293	Lid Locking Bracket
5.	03-2291	Bolt, 5/16" x 2 1/4", Hex Cap, Plated
6.	33-3566	Lid, Hinged, Oval
7.	03-1214	Bolt, 5/16" x 3/4", Hex Cap, Plated
8.	22-0979	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.	04-2079	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.	01-3512	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.





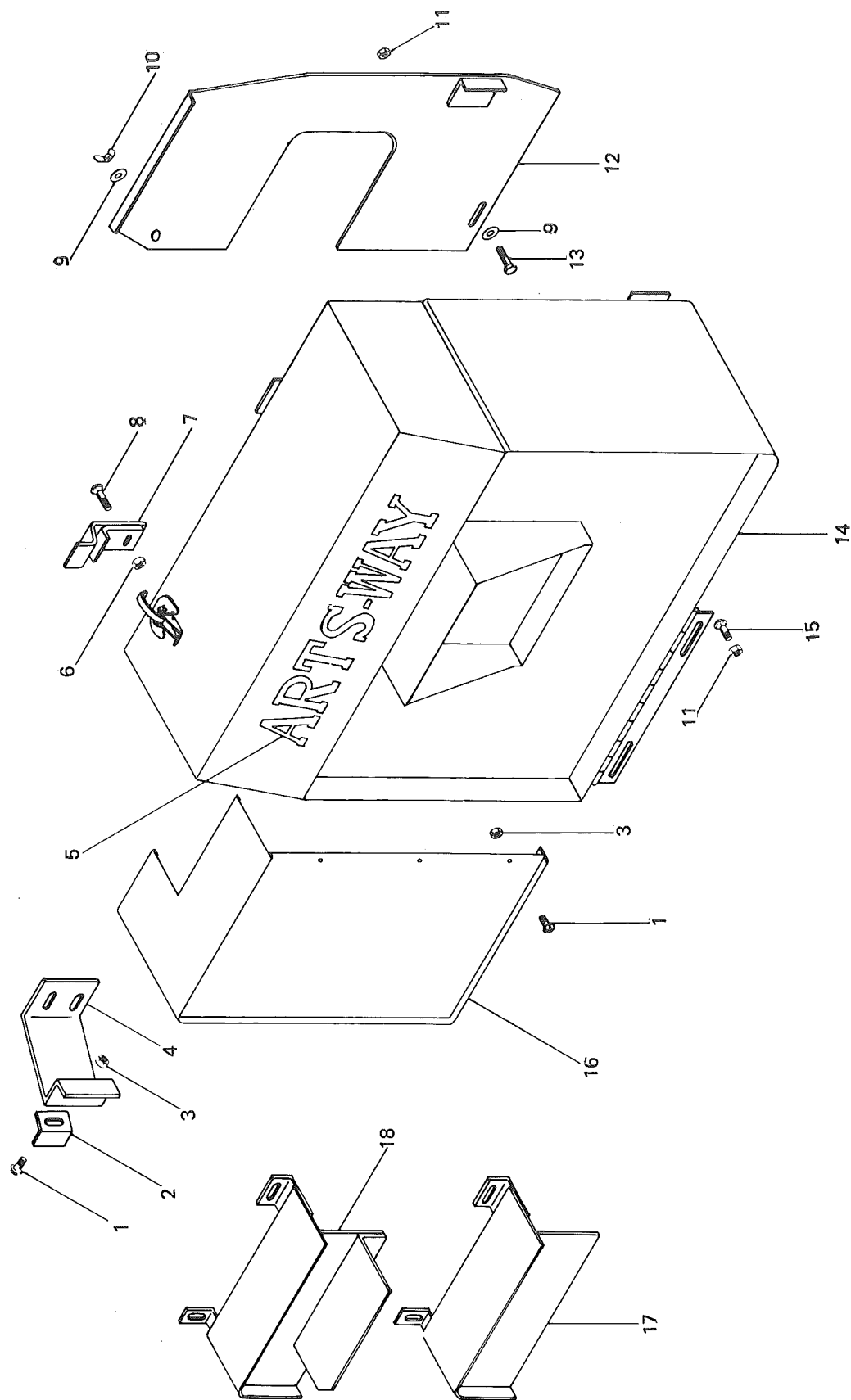
KEY	PART NUMBER	DESCRIPTION
1.	14-2058	Bevel Gear 1 1/8" Bore
2.	40-2065	Washer, 1 1/8" I.D. x 1 5/8" O.D. 10 Gage
3.	40-2075	Washer, 1 1/8" I.D. x 1 5/8" O.D. 12 Gage
4.	01-2023	Bearing Only 1 1/8"
5.	01-1915	Flange Only For 1 1/8" Bearing
6.	22-2726	Nut, 3/8" Hex
7.	03-2118	Washer, 3/8" Lock
8.	03-2017	Bolt, 3/8" x 1" Carriage
9.	19-2163	Key, 5/16" x 1 1/2"
10.	45-4076	Vertical Back Auger (Standard)
	45-4077	Vertical Back Auger (18" Extension)
11.	40-1227	Washer
12.	03-1226	Bolt, 3/8" x 1" Hex
13.	22-0979	Wing Nut 5/16"
14.	03-2292	Washer, 5/16" Flat
15.	33-1252	Clean Out Door
16.	03-0669	Bolt, 3/8" x 1 1/4" Hex
17.	03-2119	Washer, 3/8" Flat
18.	16-4078	First Section Discharge Unit
19.	06-3441	Swivel Clamp Ring, 3-Piece
20.	03-0590	Bolt, 5/16" x 1" Hex
21.	40-2362	Washer, 5/16" Lock
22.	22-2363	Nut, 5/16" Hex
23.	16-4079	Extension, 18" Vertical Tube
24.	03-3003	Bolt, 5/16" x 1 1/4" Hex
25.	04-3546	Stabilizer Bracket
26.	06-4080	Ring For Vertical Extension
27.	04-4081	Tank Bracket, Vertical Extension
28.	03-1241	Bolt, 5/16" x 3/4" Carriage
29.	33-4082	Feed Deflector
30.	03-2124	Bolt, 1/4" x 1/2" Truss Head
31.	22-2327	Nut, 1/4" Whiz
32.	03-0688	Bolt, 5/16" x 5/8" Hex
33.	03-1214	Bolt, 5/16" x 3/4" Hex
34.	16-3548	Lower Back Hopper End Plate
35.	16-3549	Upper Back Hopper End Plate
36.	01-2161	Flangette - 2 Hole For 1 1/8" Bearing
37.	01-2010	Collar Only For 1 1/8" Bearing
38.	40-2088	Washers 1 1/4" I.D. x 1 3/4" O.D.
39.	38-2127	Clutch Spring
40.	26-3266	Clutch Casting A-66
41.	26-3267	Clutch Casting A-67
42.	23-2068	Clevis Pin, 5/16" x 2 3/8"
43.	19-2070	Cotter Pin, 5/32" x 1"
44.	19-2157	Key, 5/16" x 3 1/2"
45.	45-4083	Hopper Auger 1 1/8" Bearing End
46.	19-2159	Key, 5/16" x 2 1/2"
47.	03-1811	Bolt, 1/2" x 1 1/2" Carriage
48.	40-0520	Washer, 1/2" Flat
49.	40-0537	Washer, 1/2" Lock
50.	22-0536	Nut, 1/2" Hex
51.	36-3551	Spacers
52.	42-2156	Grip-Clutch Handle
53.	09-3617	Clutch Handle
54.	03-1217	Eye Bolt For Clutch Adjustment
55.	36-3346	Spacer
56.	03-3518	Bolt 3/8" x 1 1/4" Carriage
57.	22-2306	Nut, 3/8" Self Locking Hex
58.	29-2084	Clutch Rod 7/16" x 30 1/4" Long
59.	09-3553	Clutch Arm
60.	03-1226	Bolt, 3/8" x 1" Hex





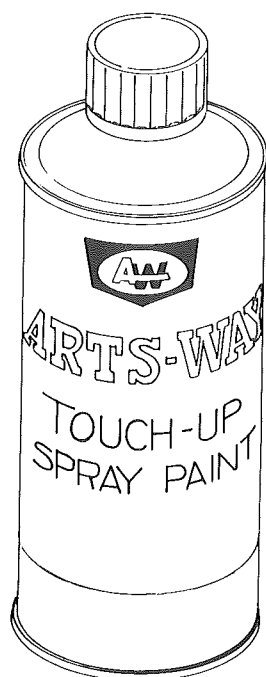


KEY	PART NUMBER	DESCRIPTION
1.	14-2058	Bevel Gear, 1 1/8" Bore
2.	40-2065	Washer, 1 1/8" I.D. x 1 5/8" O.D. x 10 Gage
3.	40-2075	Washer, 1 1/8" I.D. x 1 5/8" O.D. x 12 Gage
4.	01-2023	Bearing Only, 1 1/8" Bore
5.	01-1915	Flange, 10 Gage For Bearing
6.	19-2076	Key, 5/16" x 5/16" x 1 1/8"
7.	03-2017	Bolt, 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.	14-4075	Steel Worm Gear
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.	14-4091	Cast Ring Gear
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

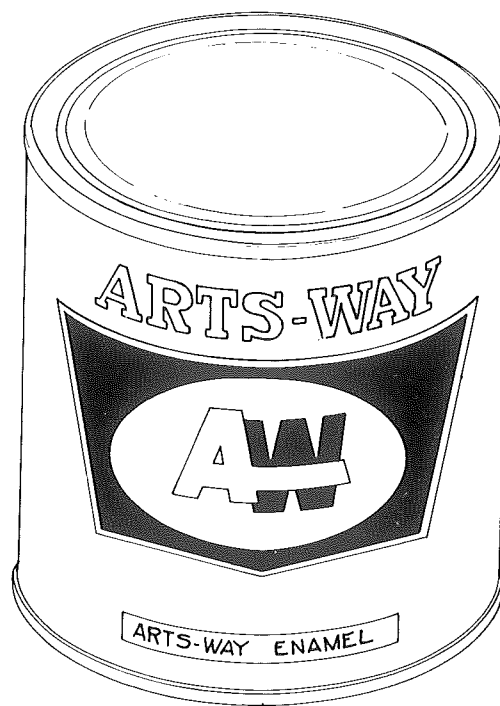




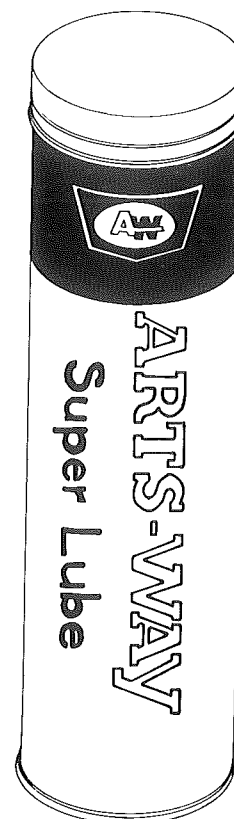
KEY	PART NUMBER	DESCRIPTION
1.	03-2124	Bolt, 1/4" x 1/2", Truss Head, Plated
2.	04-3572	Latch For Swinging Shield
3.	22-2327	Nut, 1/4", Whiz, Plated
4.	04-2197	Support Bracket For Latch
5.	42-2053	Arts-Way Name Decal, Small
6.	22-2018	Nut, 3/8", Whiz, Plated
7.	04-2194	Top Latch For Main Drive Shield
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)



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3-4-5-6



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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.