



**ARTS-WAY**

# **PARTS    MANUAL**

**for**

**325    &    425**

**models    of    the**

**PORTABLE**

**MIXER    &    MILL**



**ARTS-WAY**

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



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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)

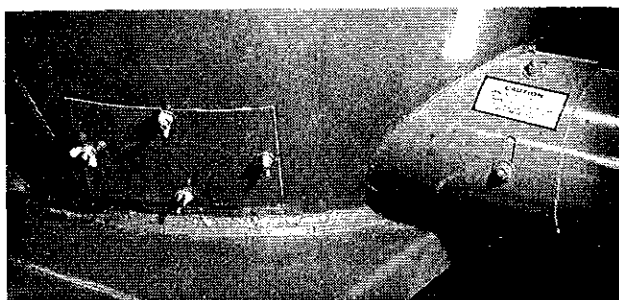


Illustration 1

### 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.

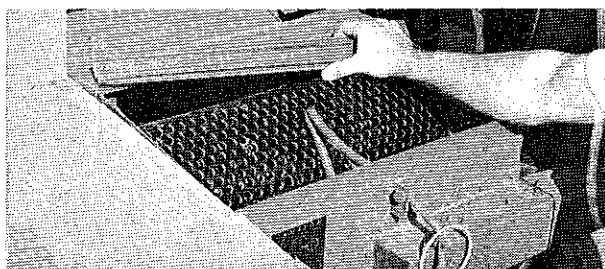


Illustration 2

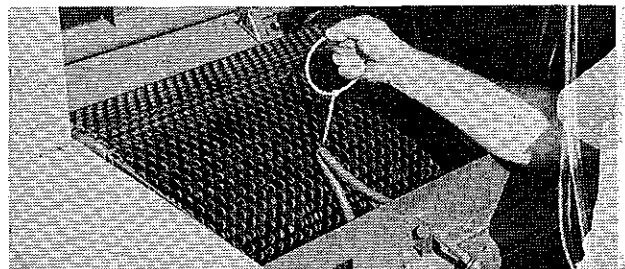


Illustration 3

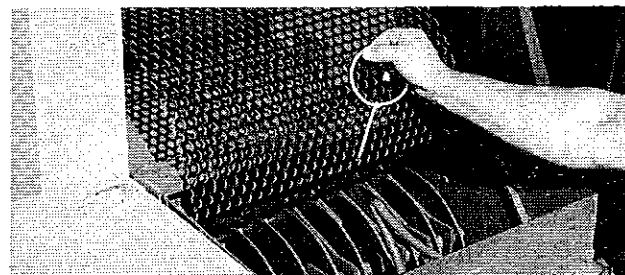


Illustration 4

## 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)

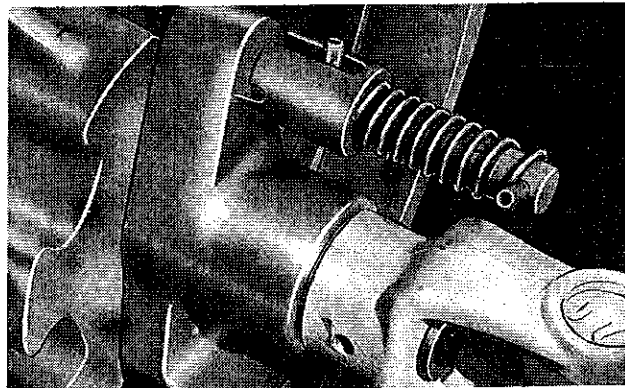


Illustration 6

## 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.

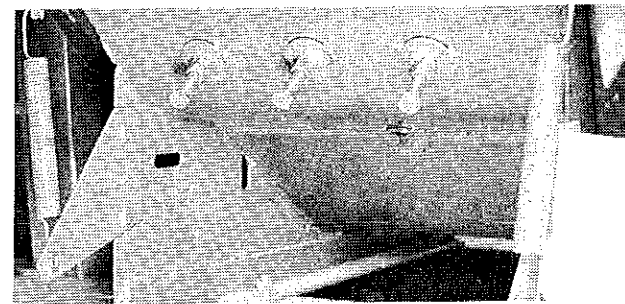


Illustration 7

## 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

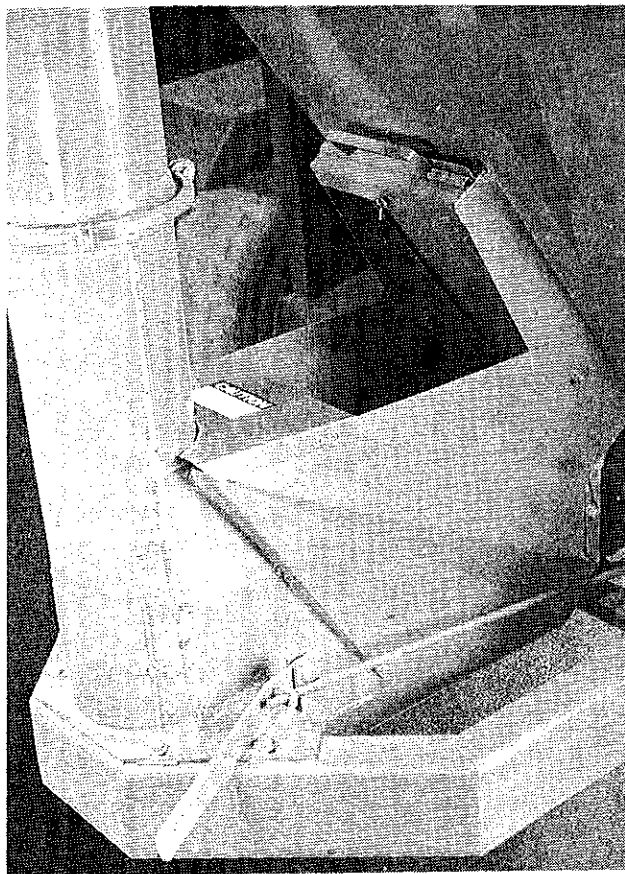


Illustration 5

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.

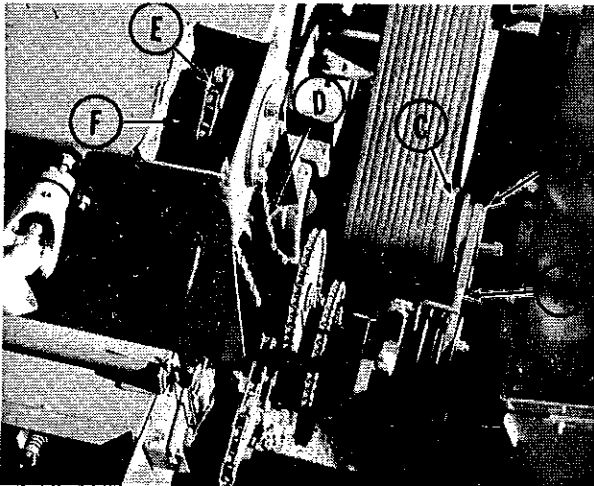


Illustration 8

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)

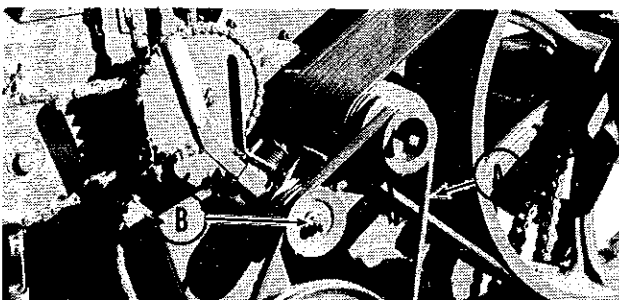


Illustration 9

#### 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)

#### 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)

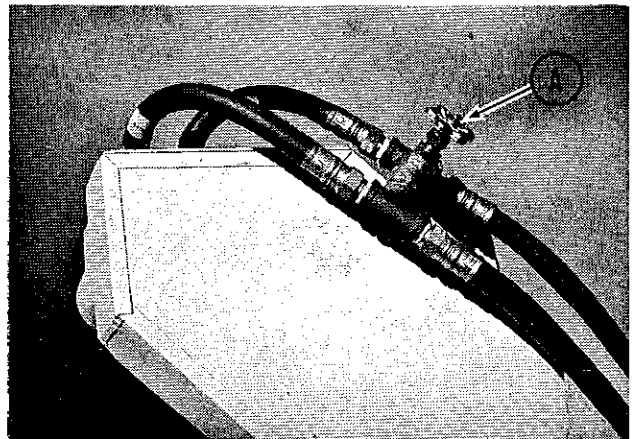


Illustration 10

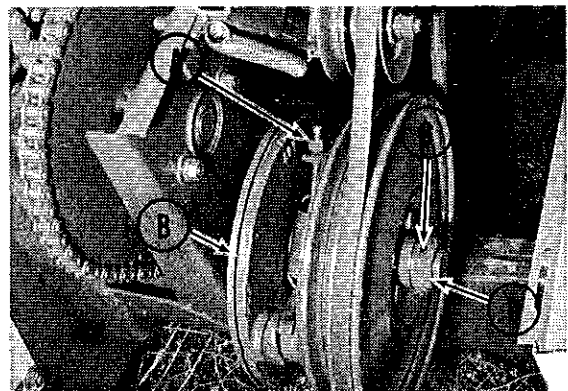


Illustration 11

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.

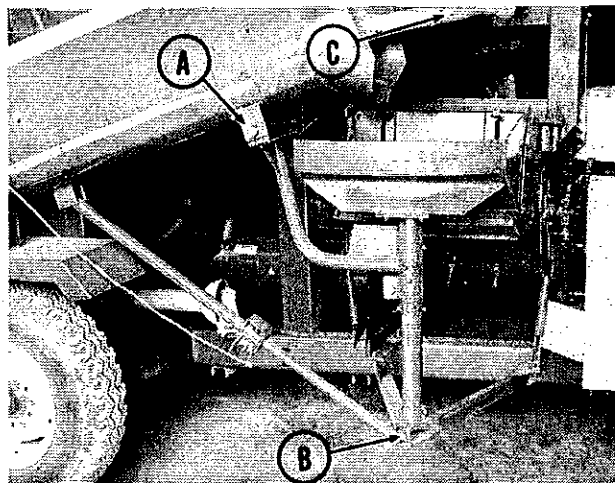


Illustration 12

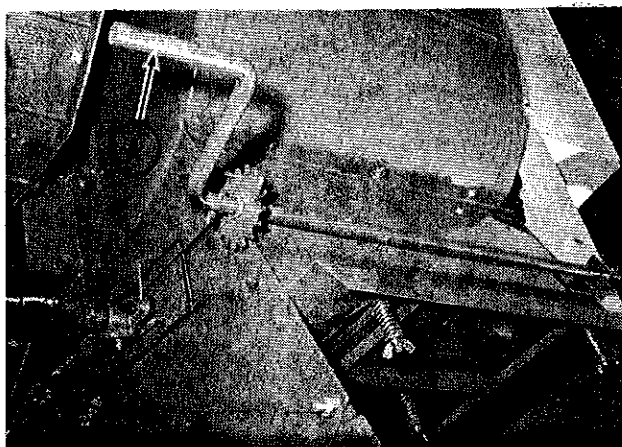


Illustration 13

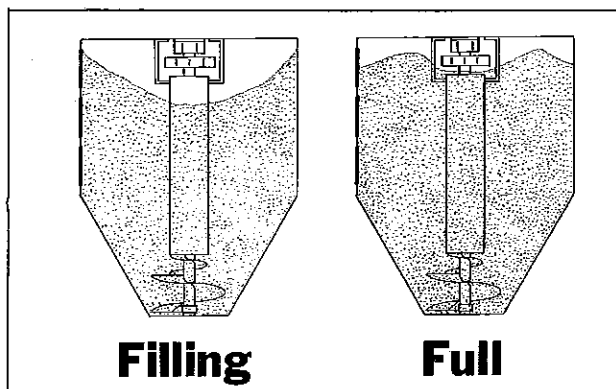


Illustration 14



## 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)

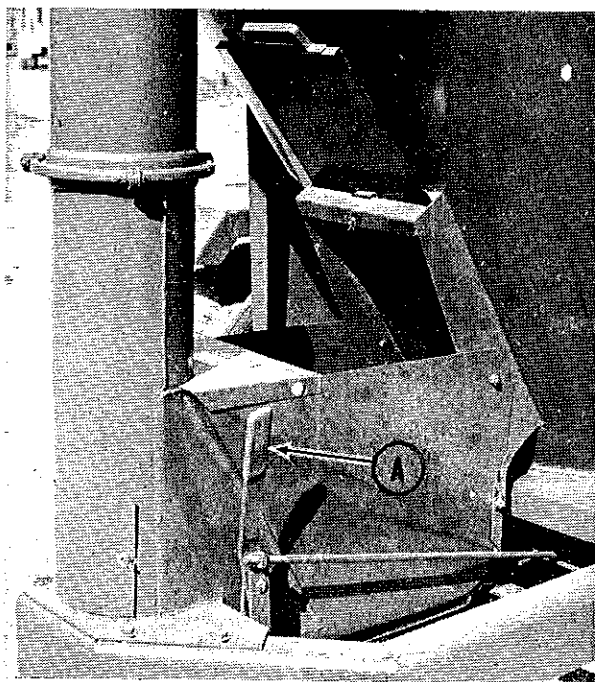


Illustration 15

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)

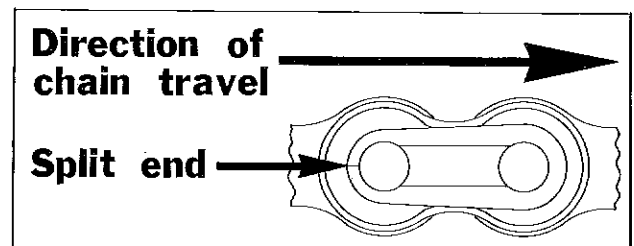


Illustration 16

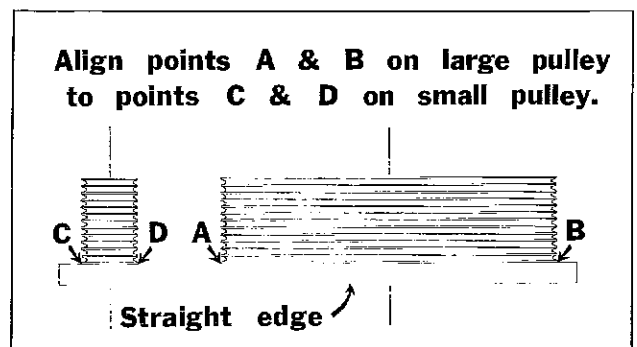


Illustration 17

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  $\frac{3}{16}$  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)

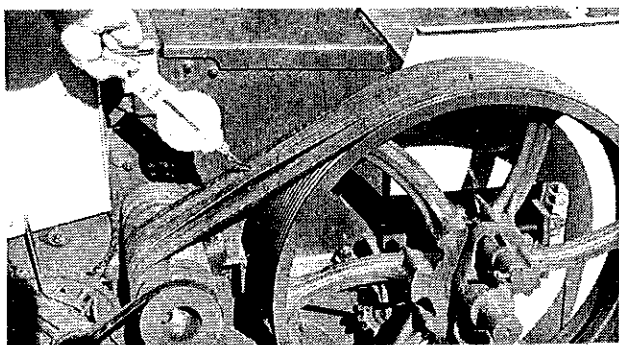


Illustration 18

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  $\frac{1}{4}$  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  $\frac{3}{8}$  inch for 540 RPM drives and  $\frac{5}{8}$  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)

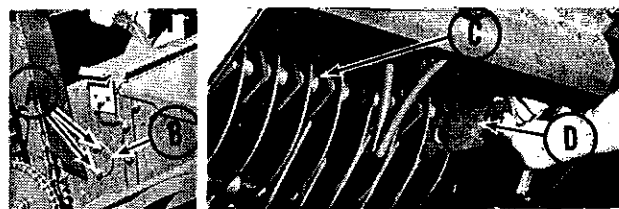


Illustration 19

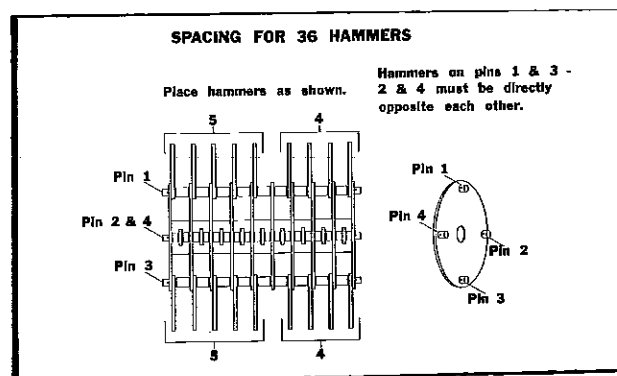


Illustration 20

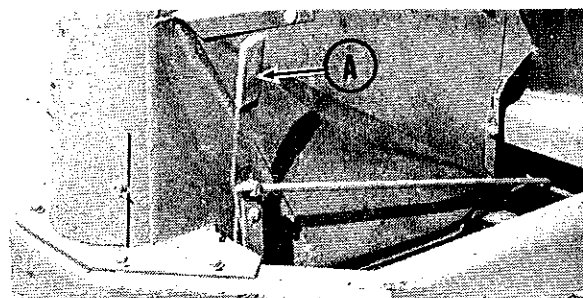


Illustration 21

## 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

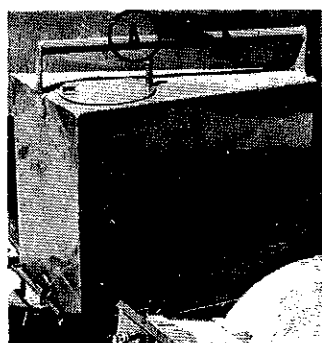


Illustration 23

## 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.

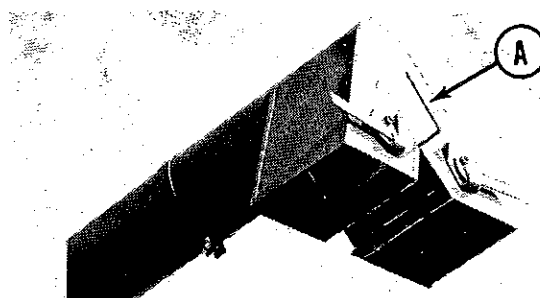


Illustration 24

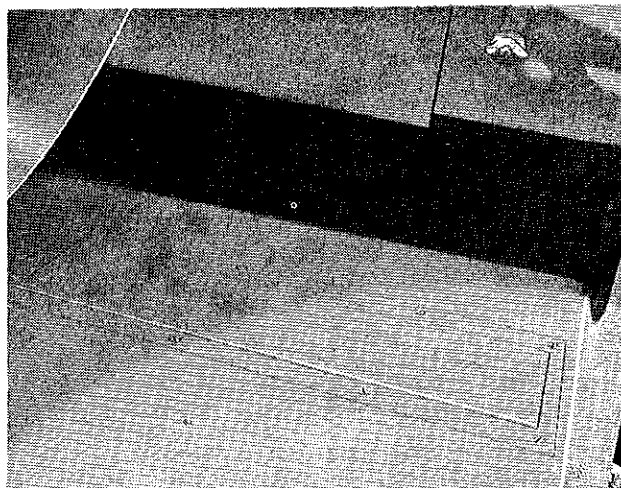


Illustration 25

## 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)

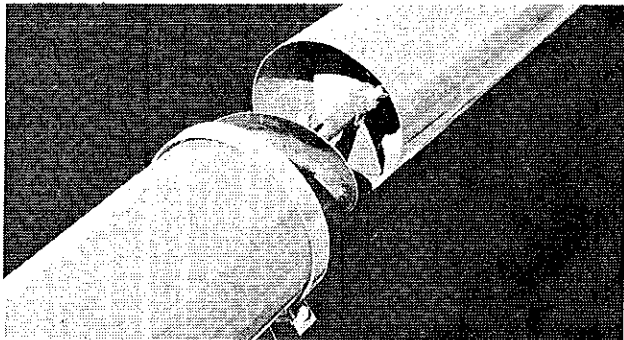


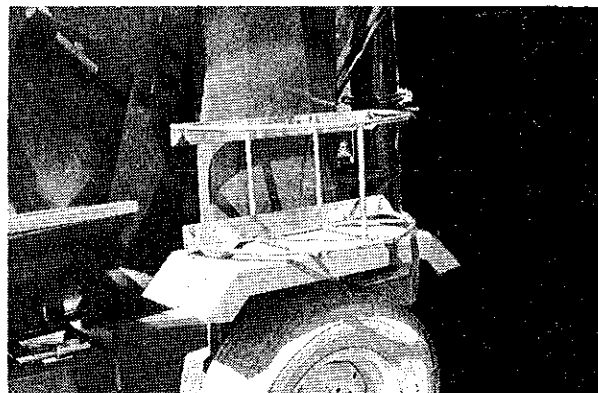
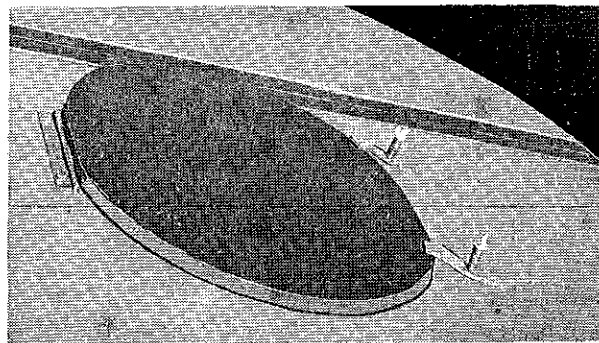
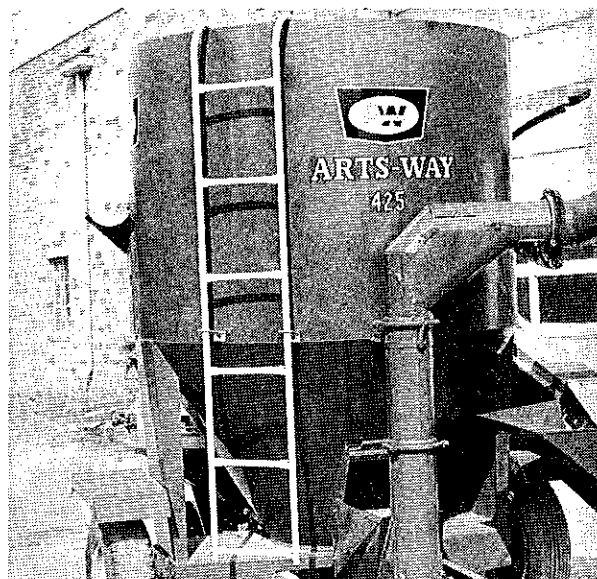
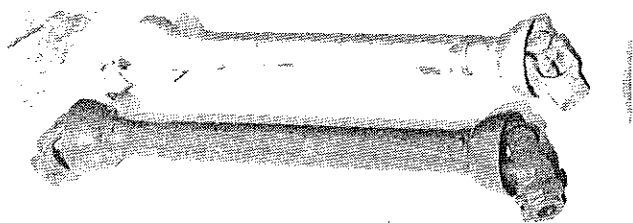
Illustration 26

### 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)

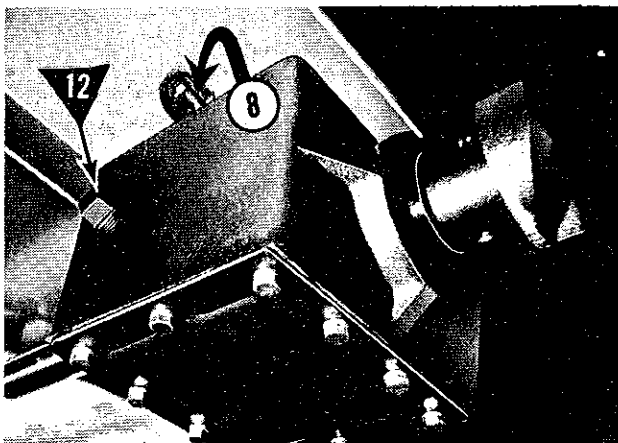
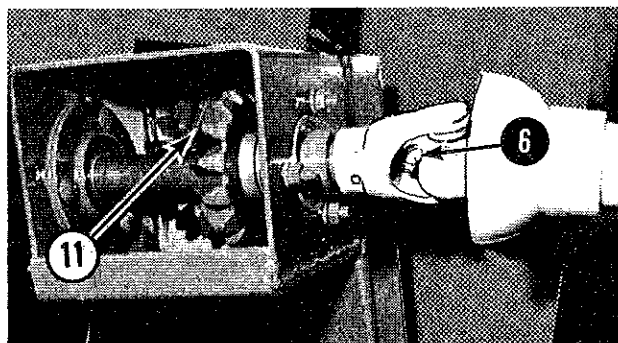
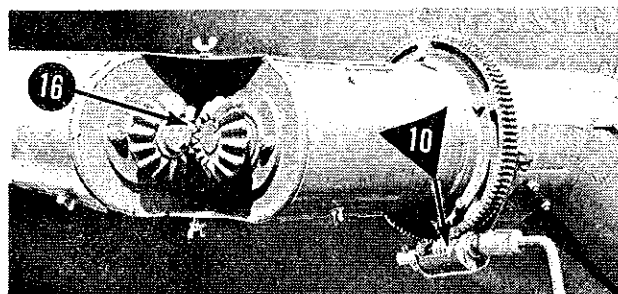
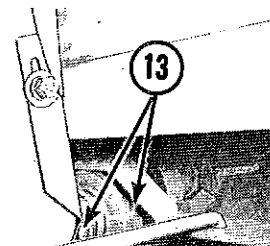
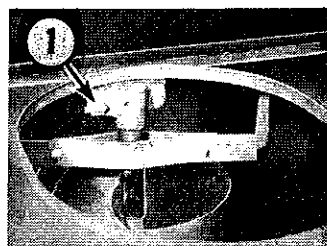
## PERIODICALLY

10. Keep unloading auger worm gear trough full of oil.
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.

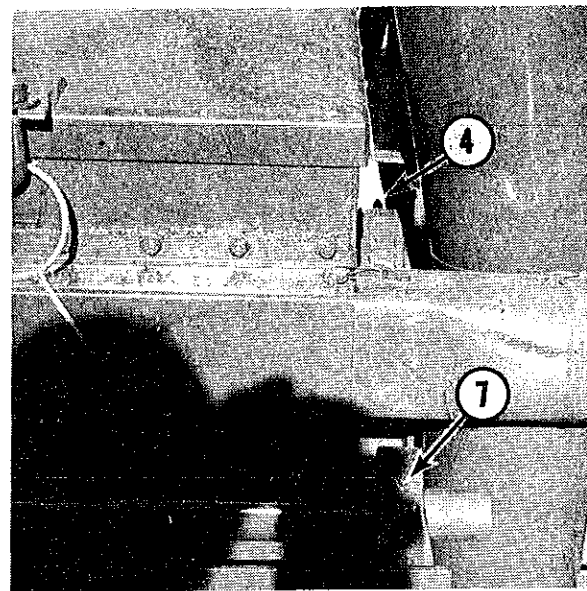
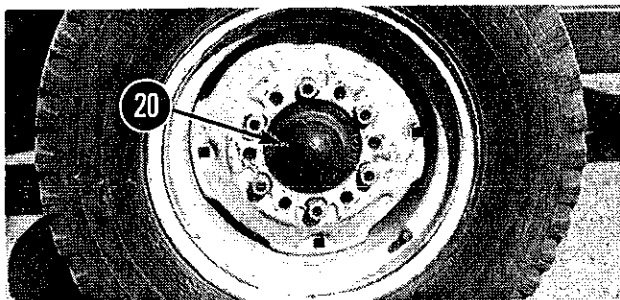
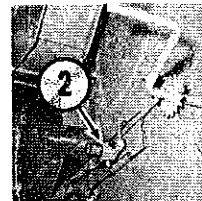
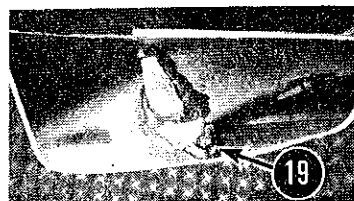
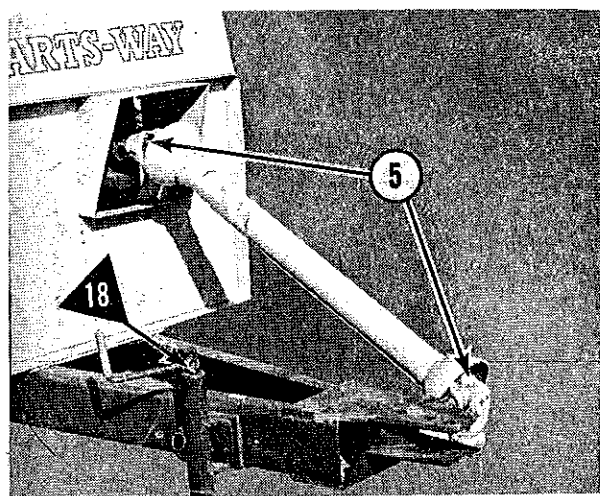
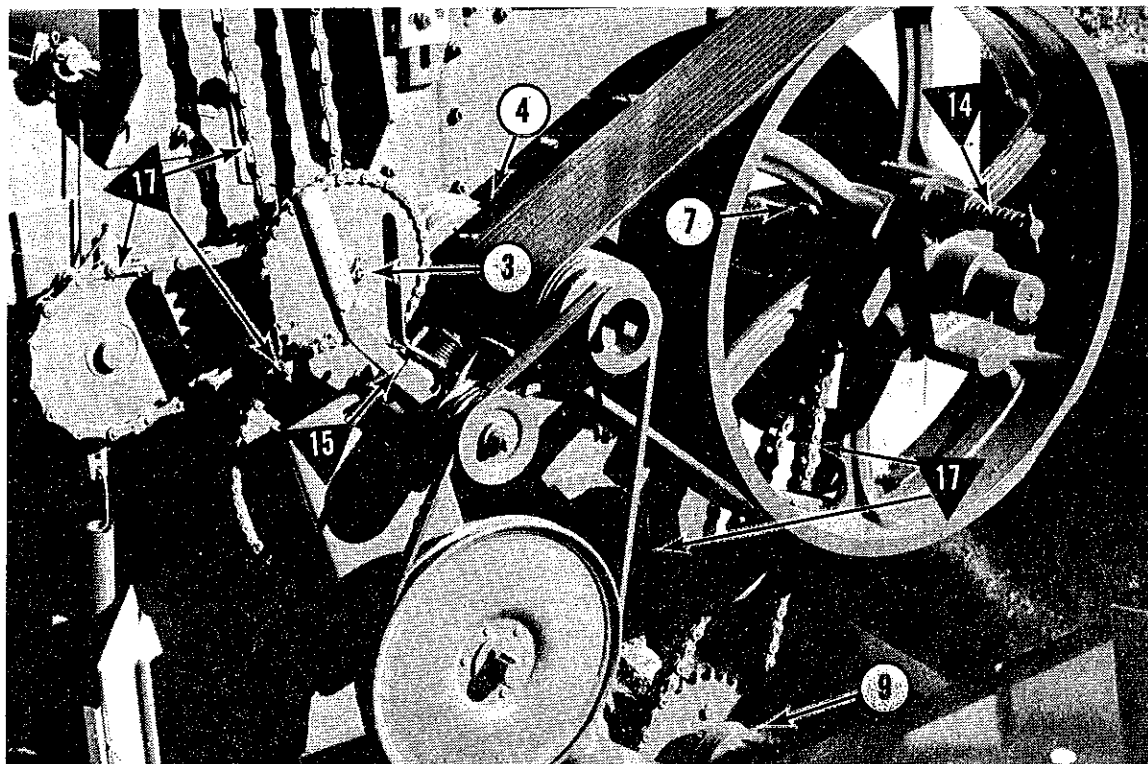
18. Lubricate jack.

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.

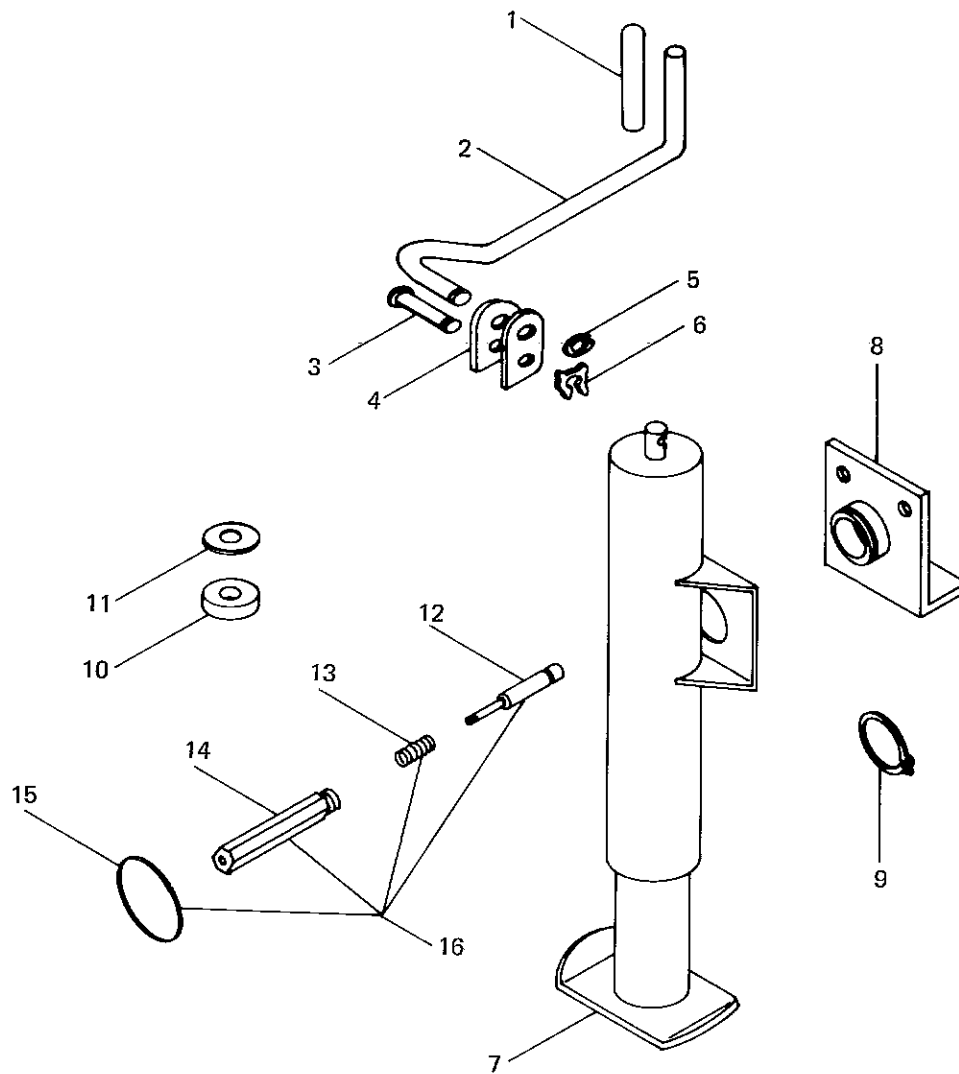
The best kind of a safety device is a careful operator. BE THAT KIND OF AN OPERATOR, as no accident-prevention program can be a success without the co-operation of the operator of the equipment.

# CAUTION

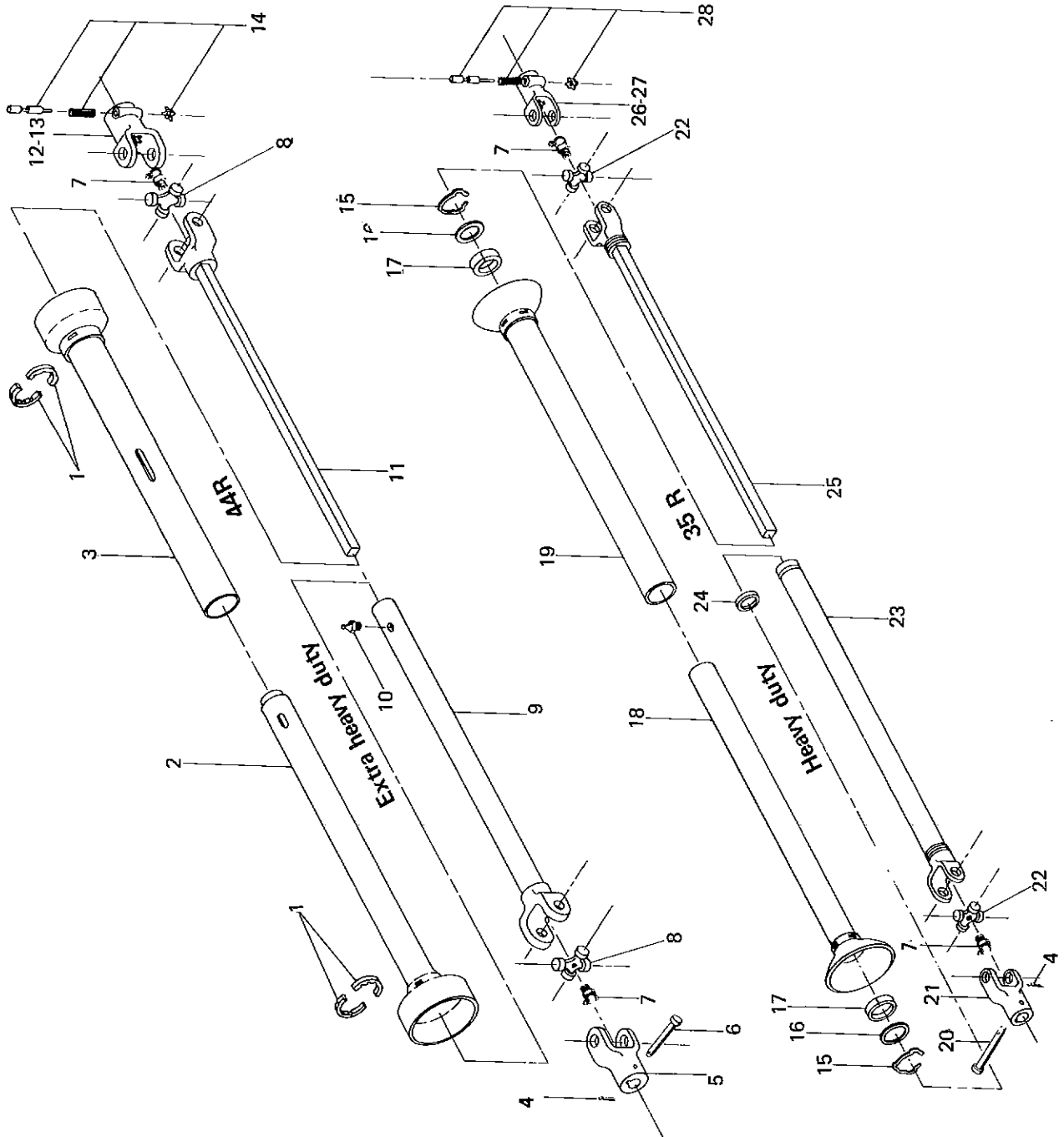
1. KEEP CHILDREN AWAY FROM MACHINE.
2. KEEP ALL SHIELDS IN PLACE.
3. STOP MACHINE TO SERVICE.
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5. KEEP OFF, WHILE MACHINE IS BEING OPERATED OR TRANSPORTED.

# MEMORANDA





| KEY | PART NUMBER | DESCRIPTION                 |
|-----|-------------|-----------------------------|
| 1.  | 42-2064     | Plastic Grip                |
| 2.  | 09-1869     | Handle For Swivel Jack      |
| 3.  | 23-2015     | Crank Handle Pin            |
| 4.  | 04-2016     | Sleeve, Jack Crank Handle   |
| 5.  | 40-2014     | "C" Washer-Holds Jack Crank |
| 6.  | 40-2013     | "X" Washer-Holds Crank Pin  |
| 7.  | 18-1037     | Jack; Complete Assembly     |
| 8.  | 04-1870     | Jack Bracket-Welds To Frame |
| 9.  | 35-1038     | Snap Ring-Heavy Duty        |
| 10. | 01-1040     | Jack Thrust Bearing         |
| 11. | 40-3516     | Thrust Bearing Washer       |
| 12. | 23-1859     | Lock Pin Plunger            |
| 13. | 38-1860     | Lock Pin Plunger Spring     |
| 14. | 16-1858     | Lock Pin Housing            |
| 15. | 35-1857     | Ring For Lock Pin           |
| 16. | 23-1039     | Lock Pin Assembly           |

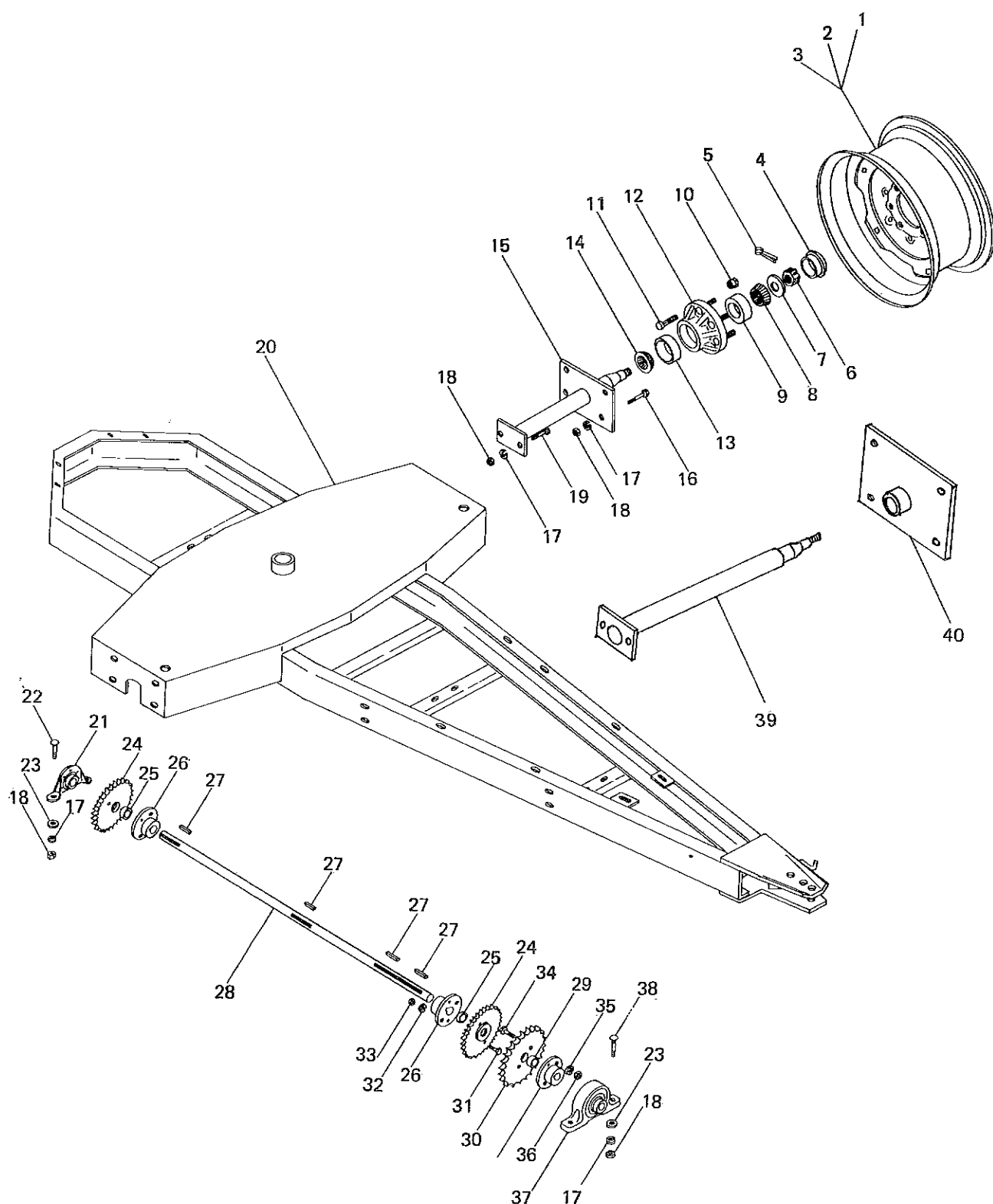


**EXTRA HEAVY DUTY 44R (43" Closed Length)**

| 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                           |

**HEAVY DUTY POWER SHAFT 35R (43" Closed Length)**

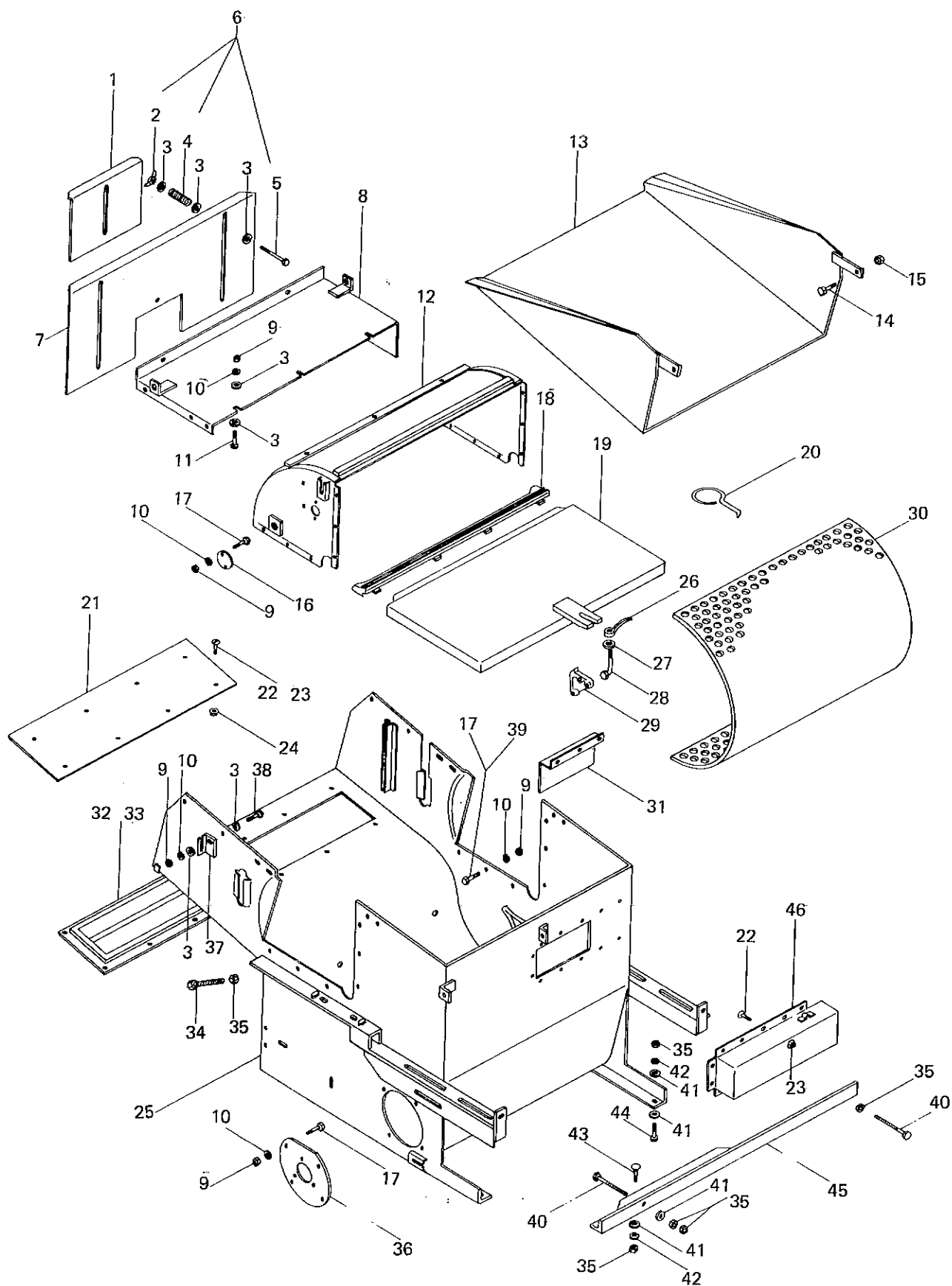
| KEY | PART NUMBER | DESCRIPTION  |
|-----|-------------|--|
|     | 26-2854     | Complete 35R Power Shaft, 1 5/8" Implement End 540 RPM                 |
|     | 26-2855     | 1/2 PTO, 1 5/8" Implement End  |
|     | 26-2856     | 1/2 PTO, 1 3/8" 6 Spline Tractor End, 540 RPM                          |
|     | 26-2857     | Complete 35R Power Shaft with 1 3/8", 21 Spline, Tractor End, 1000 RPM |
|     | 26-2858     | 1/2 PTO, 1 3/8", 21 Spline Tractor End 1000 RPM                        |
| 4.  | 19-2070     | Cotter Key, 5/32" x 1"   |
| 7.  | 24-3517     | Grease Fitting, 65°, 1/8" Pipe Thread                                  |
| 15. | 35-1032     | Snap Ring for Shield   |
| 16. | 40-1035     | Thrust Washer  |
| 17. | 01-1020     | Nylon Bearing, Large   |
| 18. | 33-2862     | Inner Shield and Bell  |
| 19. | 33-2860     | Outer Shield and Bell  |
| 20. | 23-1036     | Clevis Pin, 5/16" x 3"   |
| 21. | 26-1034     | Implement Yoke, 1 5/8" Bore  |
| 22. | 20-1024     | Center Cross Repair Kit for 35R Series                                 |
| 23. | 26-2861     | Yoke, Tube and Sleeve Assembly, Implement End                          |
| 24. | 01-1033     | Nylon Bearing, Small   |
| 25. | 26-2859     | Yoke and Shaft, Hardened   |
| 26. | 26-1029     | Q.D. Tractor Yoke Assembly, 1 3/8", 6 Spline 540 RPM                   |
| 27. | 26-1031     | Q.D. Tractor Yoke Assembly, 1 3/8", 21 Spline, 1000 RPM                |
| 28. | 26-1030     | Lock Pin, Spring and Lock Assembly for 540 RPM only                    |
|     | 26-2134     | Lock Pin, Spring and Lock Assembly for 1000 RPM only                   |





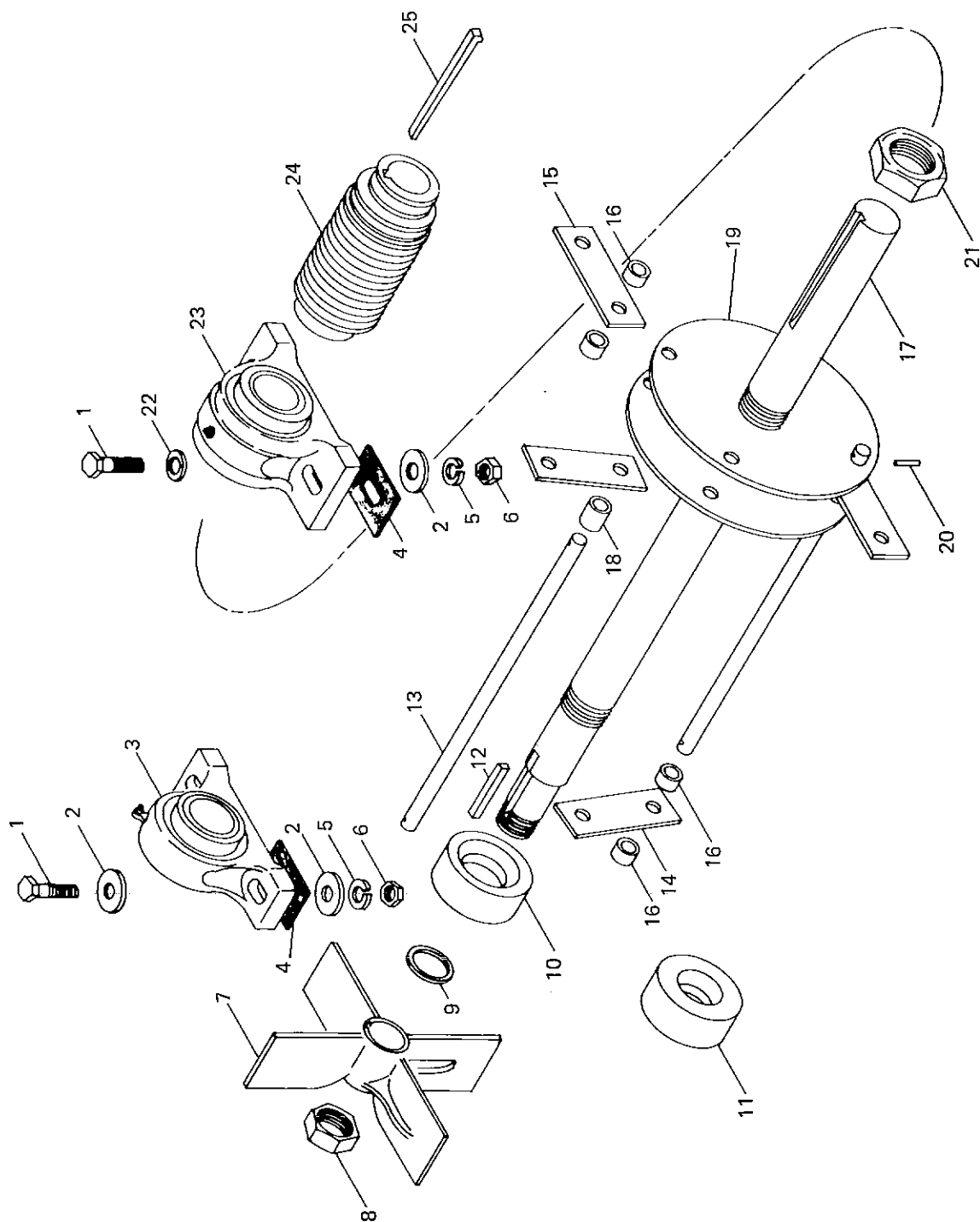
| KEY | PART NUMBER | DESCRIPTION  |
|-----|-------------|--|
| 1.  | 41-1659     | Heavy Duty, 2500 Lb. Cap., 14 x 6 - 6 Bolt Wheel               |
| 2.  | 41-1655     | Heavy Duty, 2500 Lb. Cap., 15 x 6 - 6 Bolt Wheel               |
|     | 41-3299     | Heavy Duty, 2800 Lb. Cap., 15 x 10 LBH - 6 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. | 32-3625     | Spindle With Mounting Brackets                                 |
| 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 1/2" Bore With Washer Welded<br>On One Side |
| 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. | 37-2176     | Sprocket, 60A25, 1 1/2" Bore With Washer Welded<br>On One Side |
| 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. | 32-3703     | Spindle Assembly   |
| 40. | 04-3704     | Spindle Mounting Bracket Assembly                              |

Note: Numbers 39 and 40 used after serial number 706327





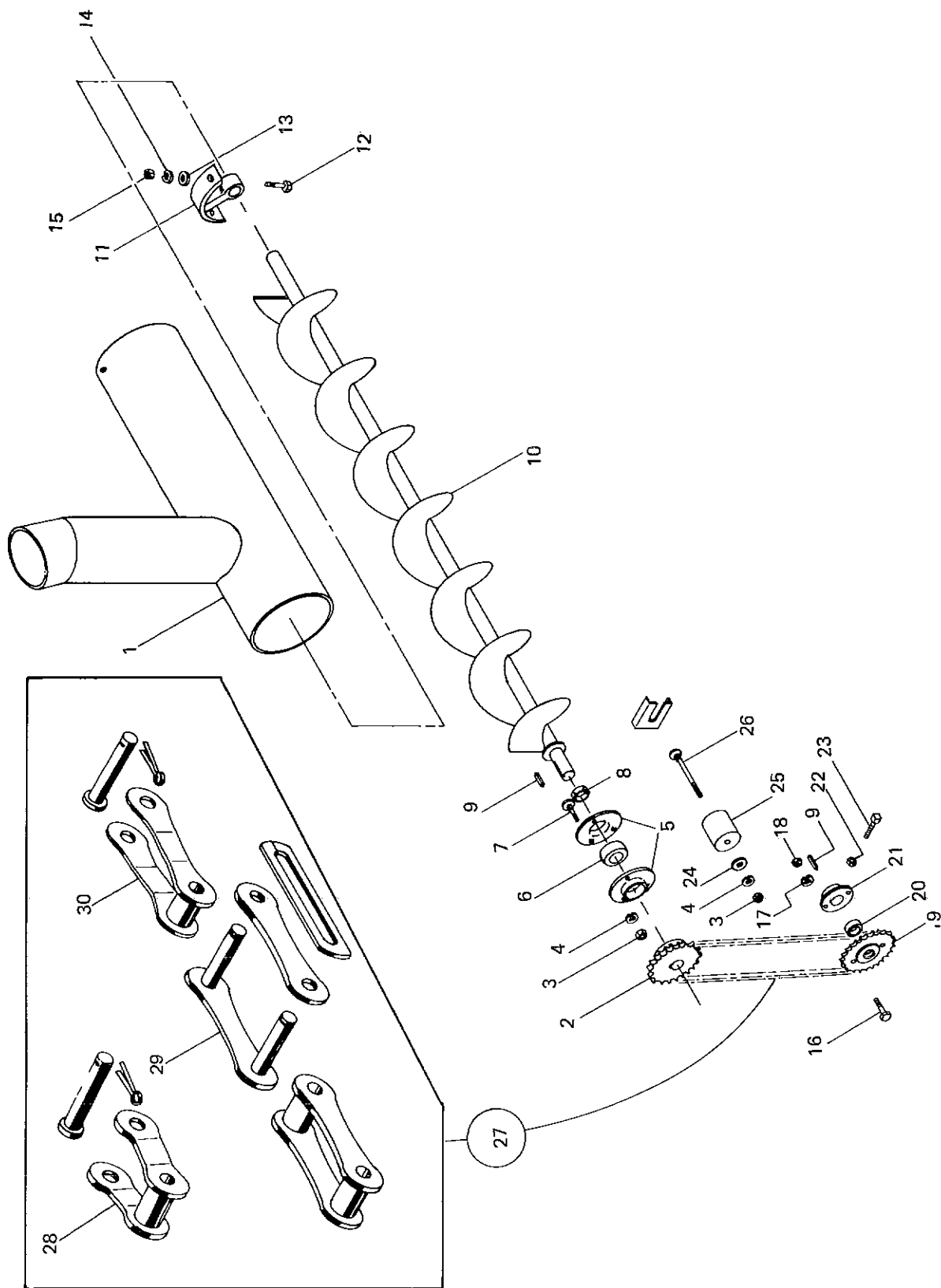
| KEY | PART NUMBER | DESCRIPTION   |
|-----|-------------|---|
| 1.  | 12-1307     | Small Feed Control Gate   |
| 2.  | 22-0979     | Wing Nut, 5/16", Plated   |
| 3.  | 03-2292     | Washer, 5/16" Flat, Plated  |
| 4.  | 38-1308     | Compression Spring  |
| 5.  | 03-0980     | Bolt, 5/16" x 2 1/2", 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<br>(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<br>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   |





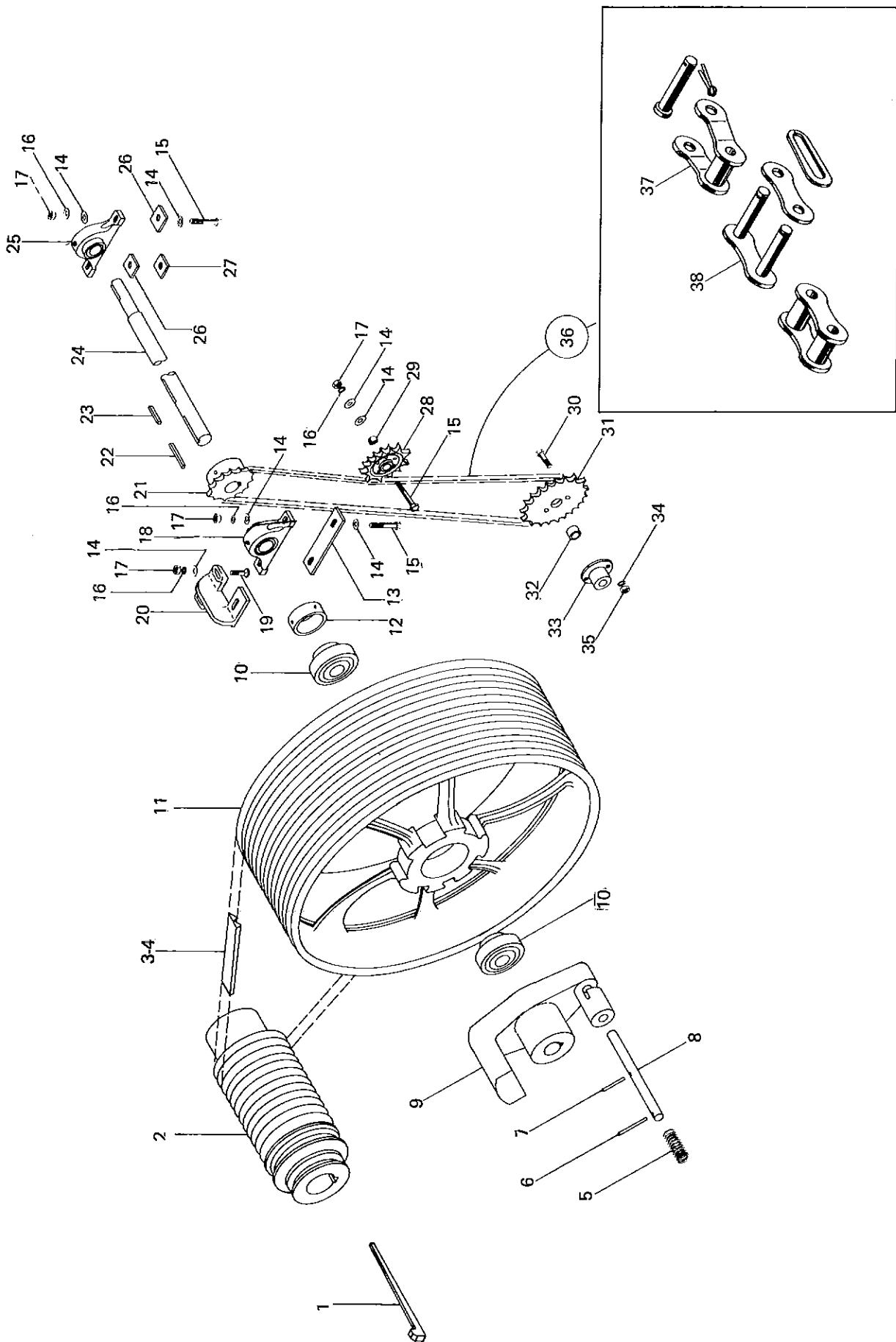


| KEY | PART NUMBER | DESCRIPTION  |
|-----|-------------|--|
| 1.  | 03-1343     | Bolt, 5/8" x 2 1/4", H.T., Plated  |
| 2.  | 40-2043     | Washer, 5/8" I.D. x 1 1/2" O.D., Plated  |
| 3.  | 01-1342     | Bearing, 2" Pillow Block   |
| 4.  | 13-3515     | Gasket, Seating  |
| 5.  | 40-2044     | Washer, 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     | Expanpin, 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-<br>Sold Assembled In Balanced Unit Only. Consists Of<br>Parts Numbers ...32-1354, 36-0908, 36-2046, 36-2047,<br>And 22-1344 |



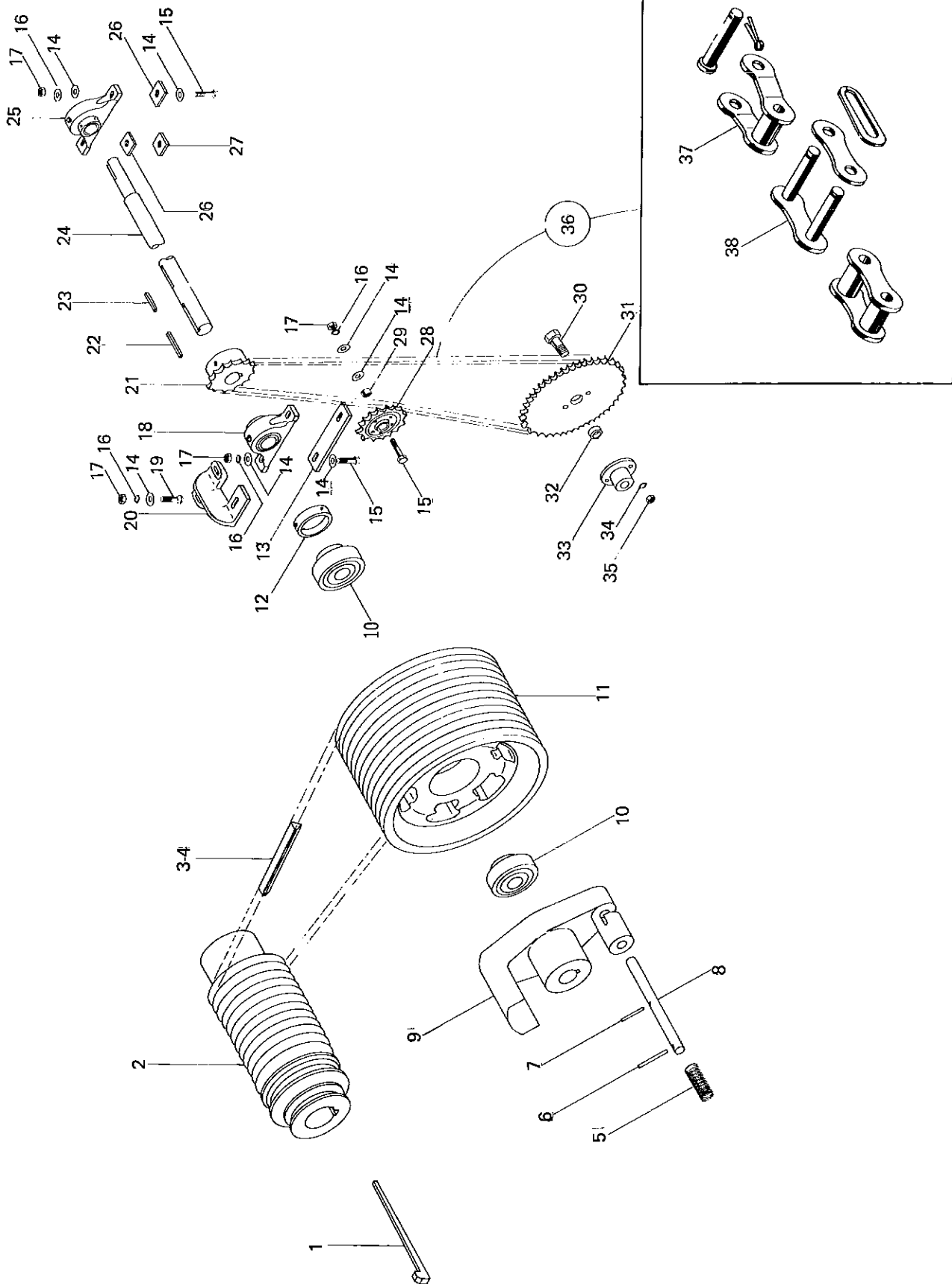


| KEY | PART NUMBER | DESCRIPTION   |
|-----|-------------|---|
| 1.  | 12-3525     | Mill To Mixer Tube  |
| 2.  | 37-2186     | Sprocket, 40B24, 1 1/8" Bore  |
| 3.  | 22-2726     | Nut, 3/8" Hex, Plated   |
| 4.  | 03-2118     | Washer, 3/8" Lock, Plated   |
| 5.  | 01-1915     | Flange, 10 Gage (2 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. | 37-3369     | Sprocket, 40A28, 1 1/2" I.D. With Washer Welded On One Side                 |
| 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. | 42-2126     | Block, Oil Treated Wood   |
| 26. | 03-3354     | Bolt, 3/8" x 2 1/2", 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. | 37-1677     | Sprocket, 60B14, 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. | 37-2176     | Sprocket, 60A25, 1 1/2" Bore   |
|     | 37-2189     | Complete Assembly Consisting Of Parts Numbers 37-2176, 05-2007, 10-2008, 03-1226, 03-2118, And 22-2726 |
| 32. | 05-2007     | Bushing, 1 1/4" x 1 1/2" x 1/2"  |
| 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. | 08-3540     | Chain, RC-60 77 Pitch Including 1 - Offset And 2 - Connectors  |
|     | 08-3622     | AG 60 Chain 67 Pitches Used After Serial Number 704559   |
| 37. | 08-1013     | Offset Link  |
| 38. | 08-1012     | Connector Link With Spring Clip  |

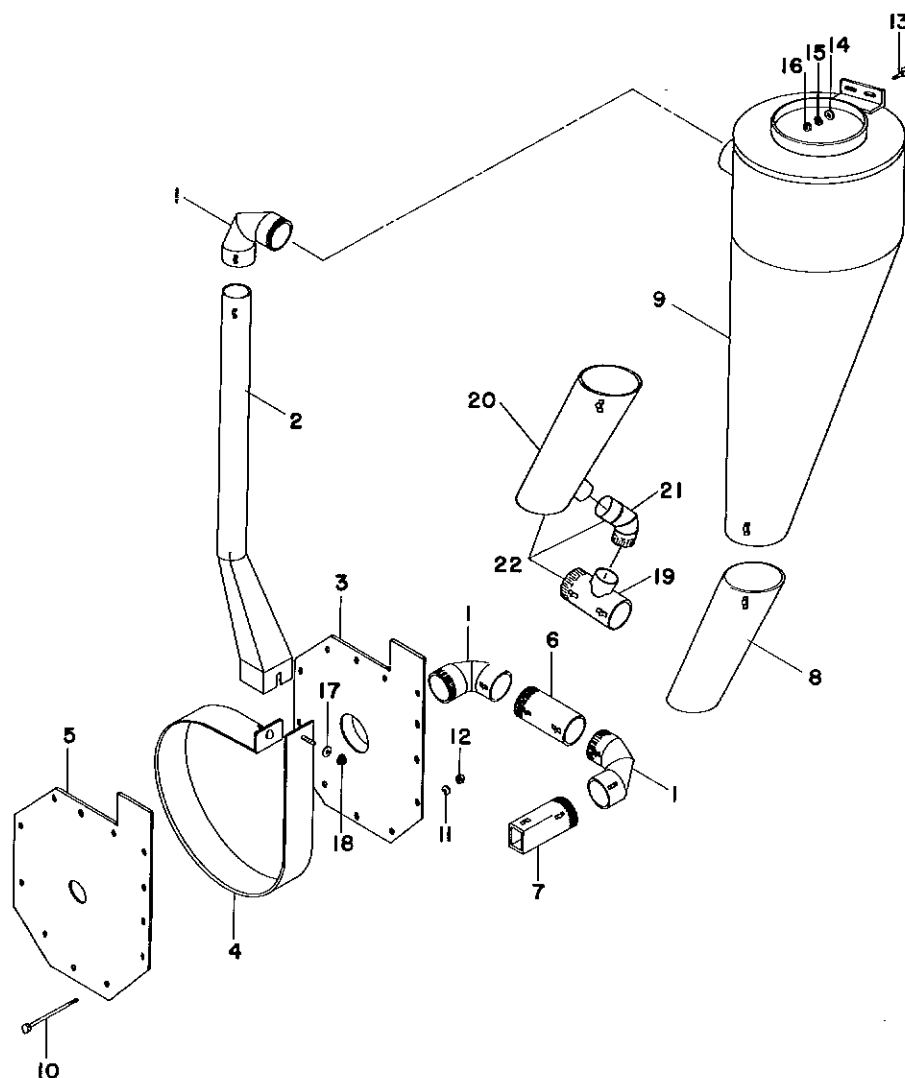




| KEY | PART NUMBER | DESCRIPTION  |
|-----|-------------|--|
| 1.  | 19-1341     | 3/8", Gib Head, Tapered Key  |
| 2.  | 27-1340     | 4", 14 Groove Pulley   |
| 3.  | 02-1390     | Matched Set Of Twelve 3V600 Belts  |
|     | 02-3588     | Single 3V600 Belt (Not Sold Separately Unless Belt Lot Number 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. | 37-2181     | Sprocket, 50A48, 1 1/2" Bore   |
|     | 37-2182     | Complete Assembly Consisting of Parts Numbers 37-2181, 05-2007, 10-2008, 03-1226, 03-2118, and 22-2726 |
| 32. | 05-2007     | Bushing, 1 1/4" x 1 1/2" x 1/2"  |
| 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. | 08-3581     | Chain, RC 50, 102 Pitch Including Two Connectors   |
|     | 08-3669     | AG 50 Chain 91 Pitches Used After Serial Number 704559   |
| 37. | 08-1377     | Offset Link  |
| 38. | 08-1376     | Connector Link With Spring Clip  |



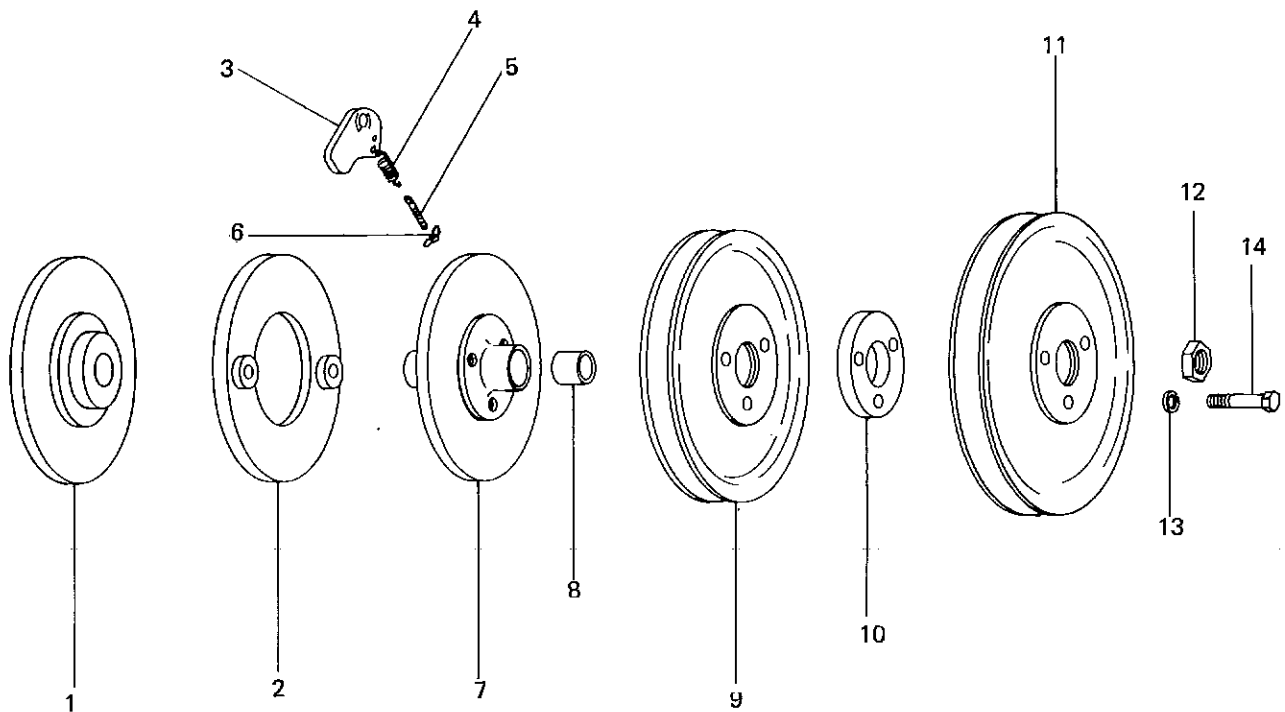
# MILL-DUST COLLECTOR ASSEMBLY



| 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.  | 24-1285     | 4" Blower Pipe - Square On One End                     |
| 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. | 24-3831     | T-Joint  |
| 20. | 24-3829     | Coupler Pipe   |
| 21. | 24-3830     | Elbow 3"   |
| 22. | 20-3832     | Kit  |

Note: Kit Used After Serial Number 7110094

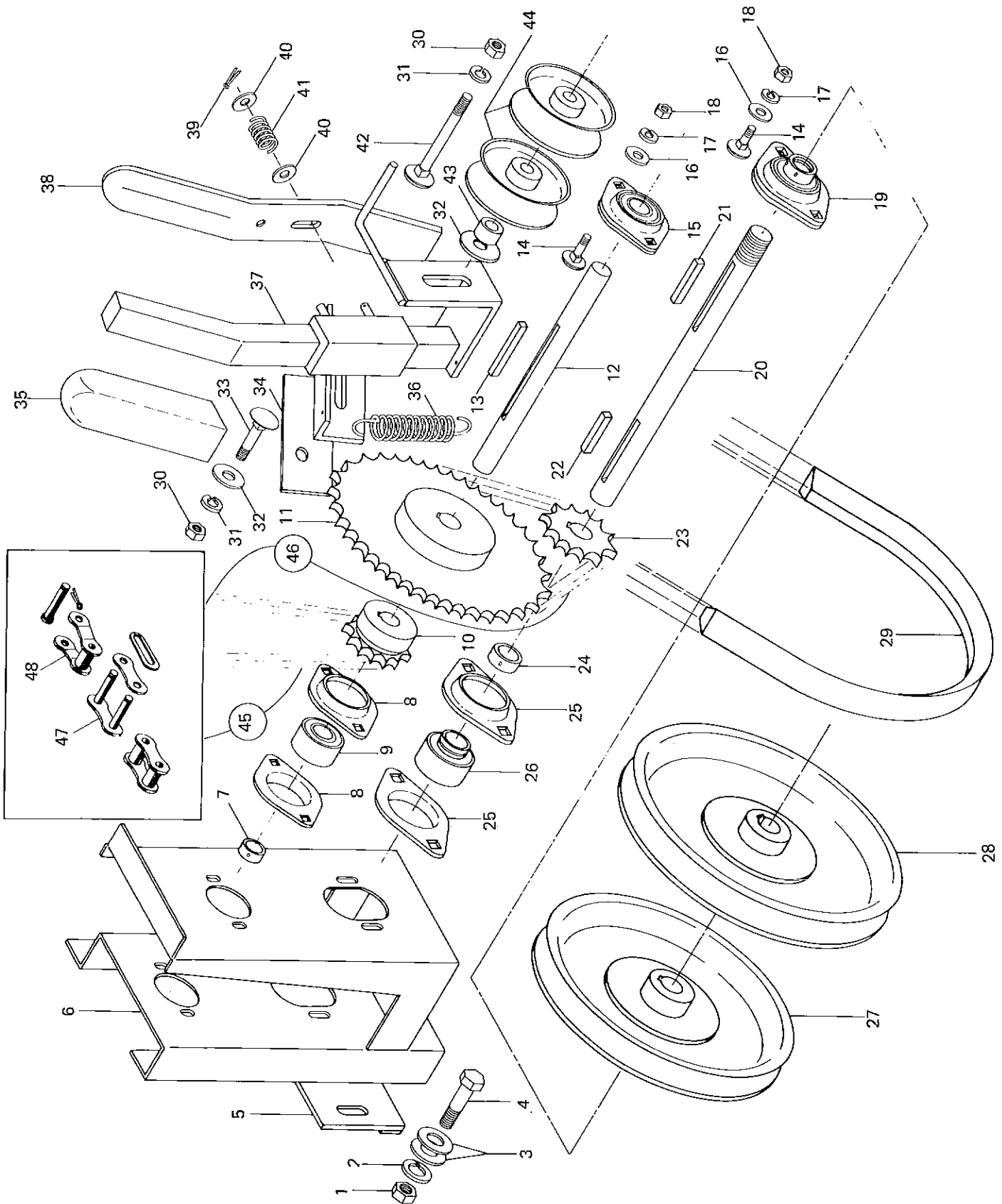




| KEY | PART NUMBER | DESCRIPTION                                |
|-----|-------------|--|
| 1.  | 26-1703     | Plate, Governor Driven                     |
| 2.  | 26-1704     | Plate, Pressure Drive                      |
| 3.  | 26-1707     | Weight, Governor                           |
| 4.  | 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                     |

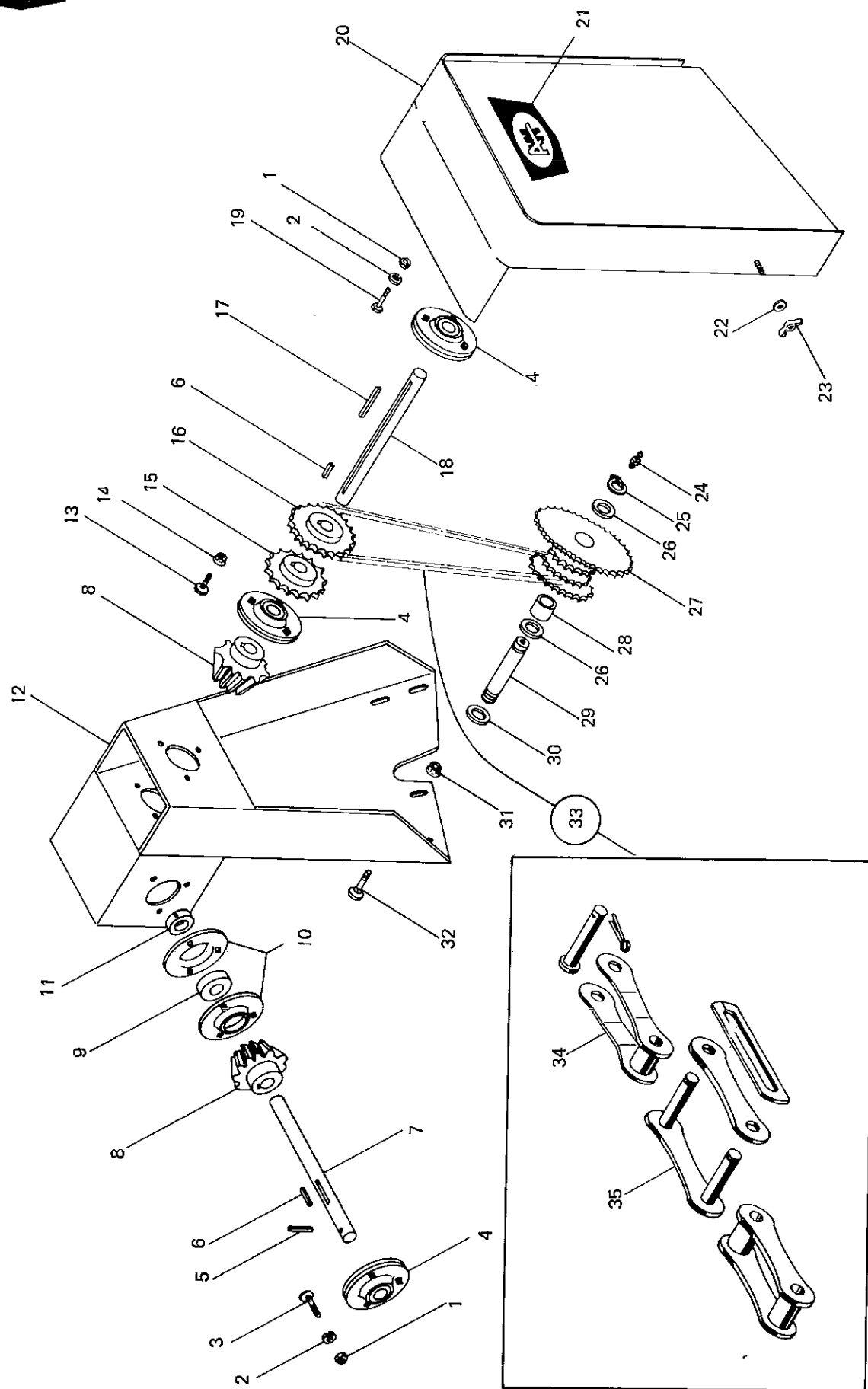


# BOTTOM DRAG DRIVE



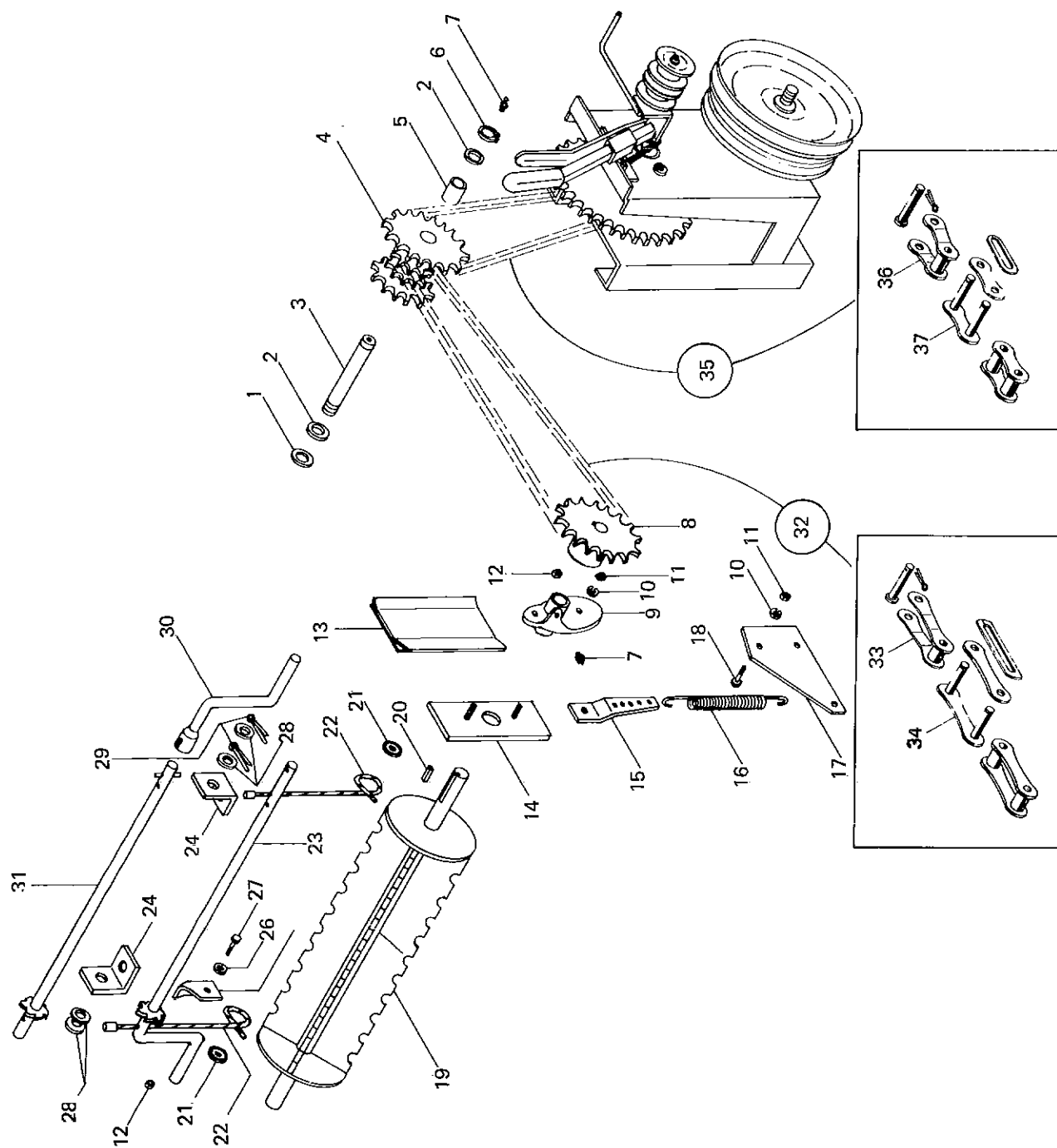


| KEY | PART NUMBER | DESCRIPTION   |
|-----|-------------|---|
| 1.  | 22-0536     | Nut, 1/2" Hex, Plated                               |
| 2.  | 40-0537     | Washer, 1/2" Lock, Plated                           |
| 3.  | 40-0520     | Washer, 1/2" Flat, Plated                           |
| 4.  | 03-1477     | 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. | 19-1482     | Key, 1/4" x 1/4" x 2 1/4"                           |
| 14. | 03-1241     | Bolt, 5/16" x 3/4", Carriage, Plated                |
| 15. | 01-1480     | Bearing, Lock Collar & 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 & 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, 2 Hole, 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   |



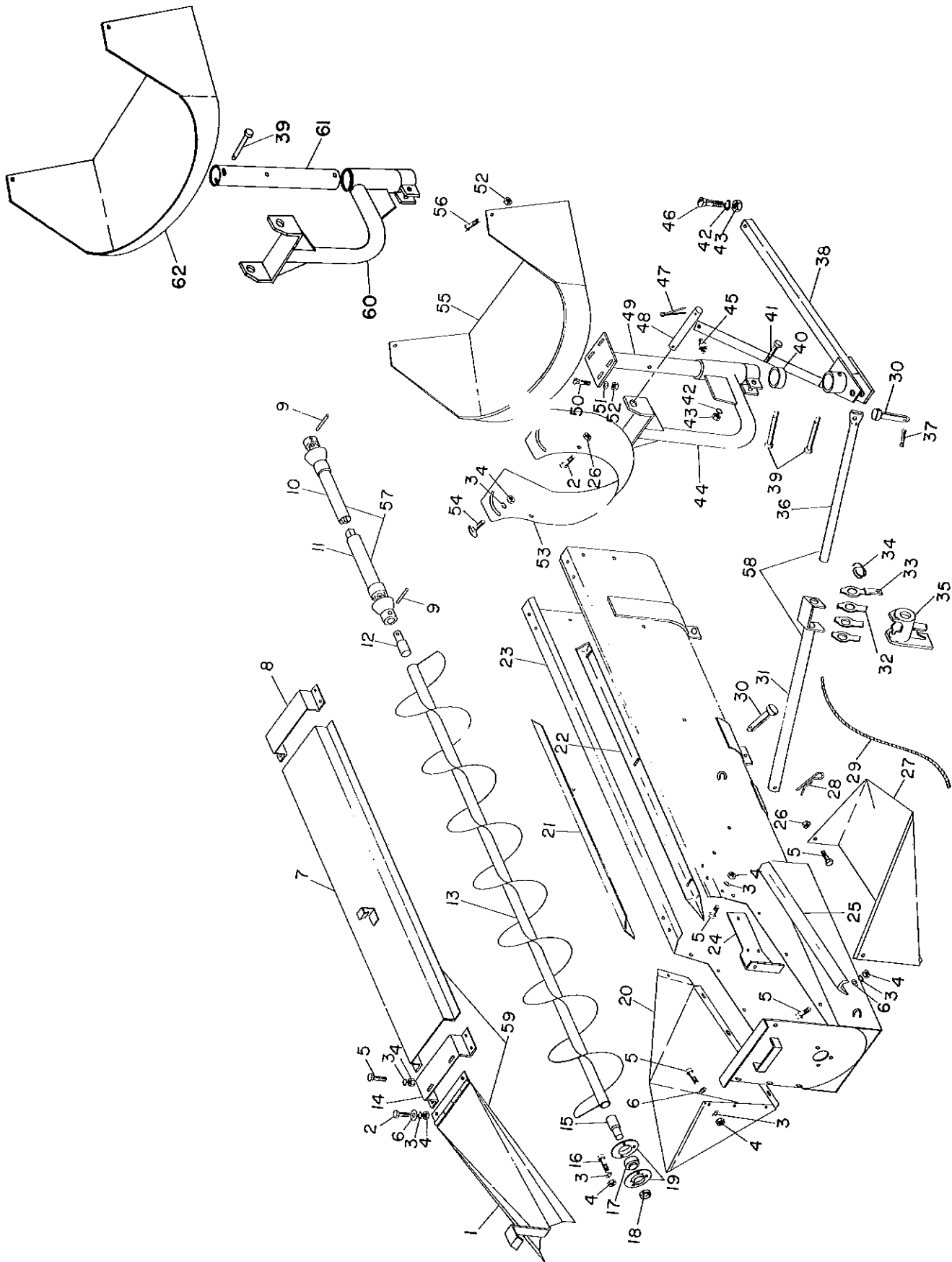


| KEY | PART NUMBER | DESCRIPTION                                      |
|-----|-------------|--|
| 1.  | 22-2363     | Nut, 5/16" Hex, Plated                           |
| 2.  | 40-2362     | Washer, 5/16" Lock, Plated                       |
| 3.  | 03-3297     | Bolt, 5/16" x 1", Carriage, Plated               |
| 4.  | 01-1130     | Bearing, Flanges & 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 & 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       |





| 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                 |

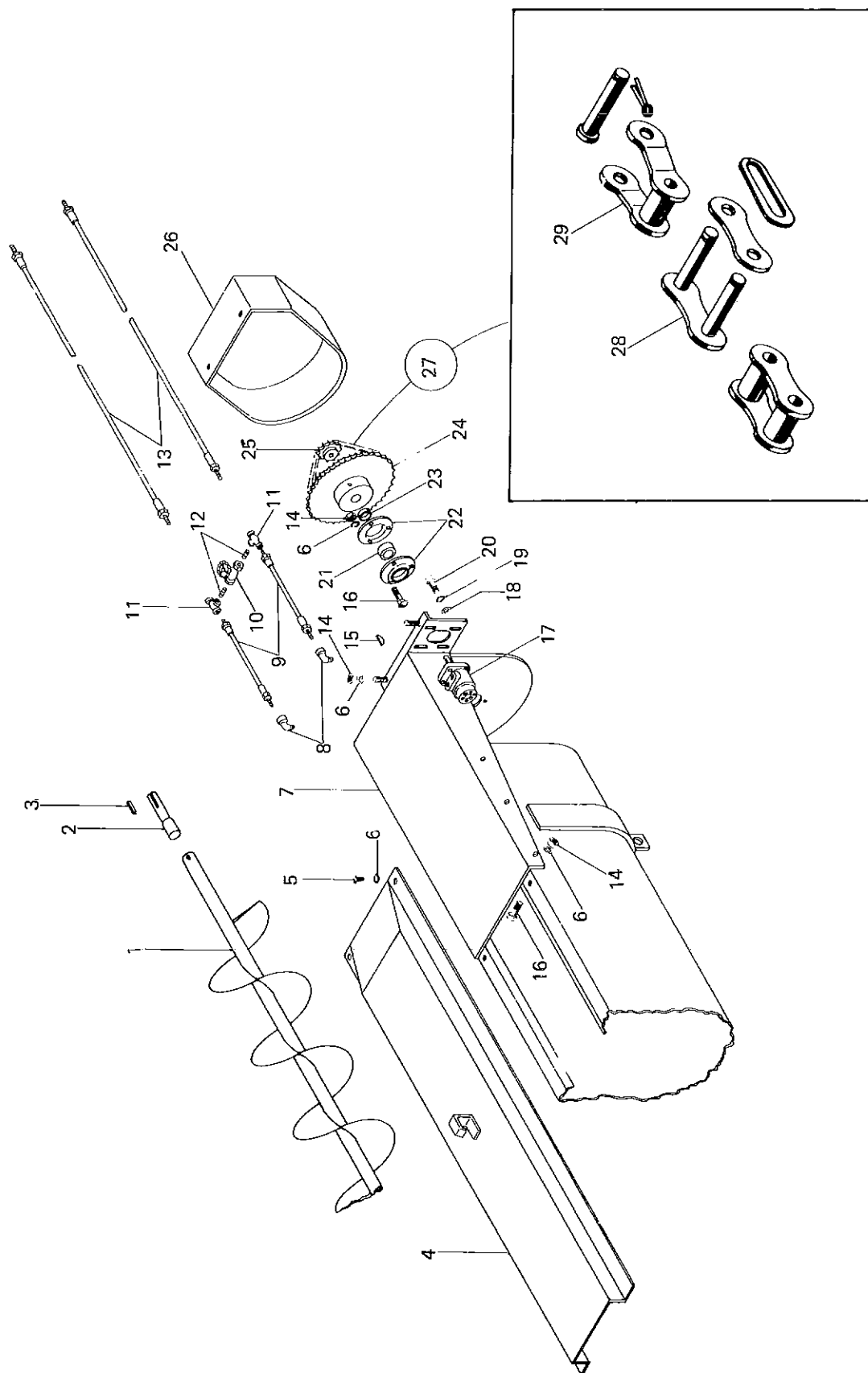






| KEY | PART NUMBER | DESCRIPTION                                       |
|-----|-------------|---|
| 1.  | 33-2365     | Bottom Drag Auger Safety Shield                   |
| 2.  | 03-1214     | Bolt, 5/16" x 3/4" Hex                            |
| 3.  | 40-2362     | 5/16" Lock Washer                                 |
| 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                                   |

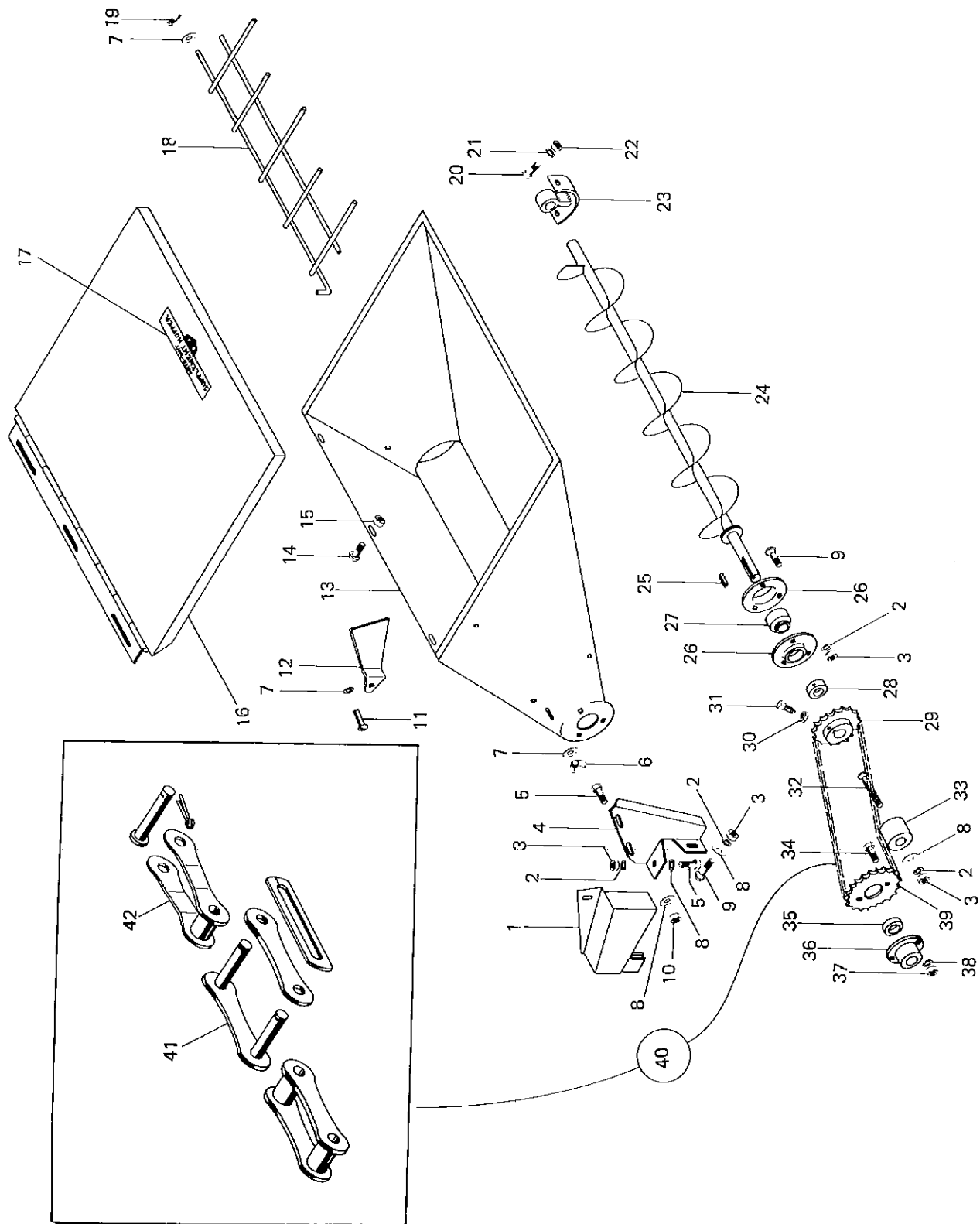
Note: Numbers 60, 61, & 62 Used After Serial Number 705177





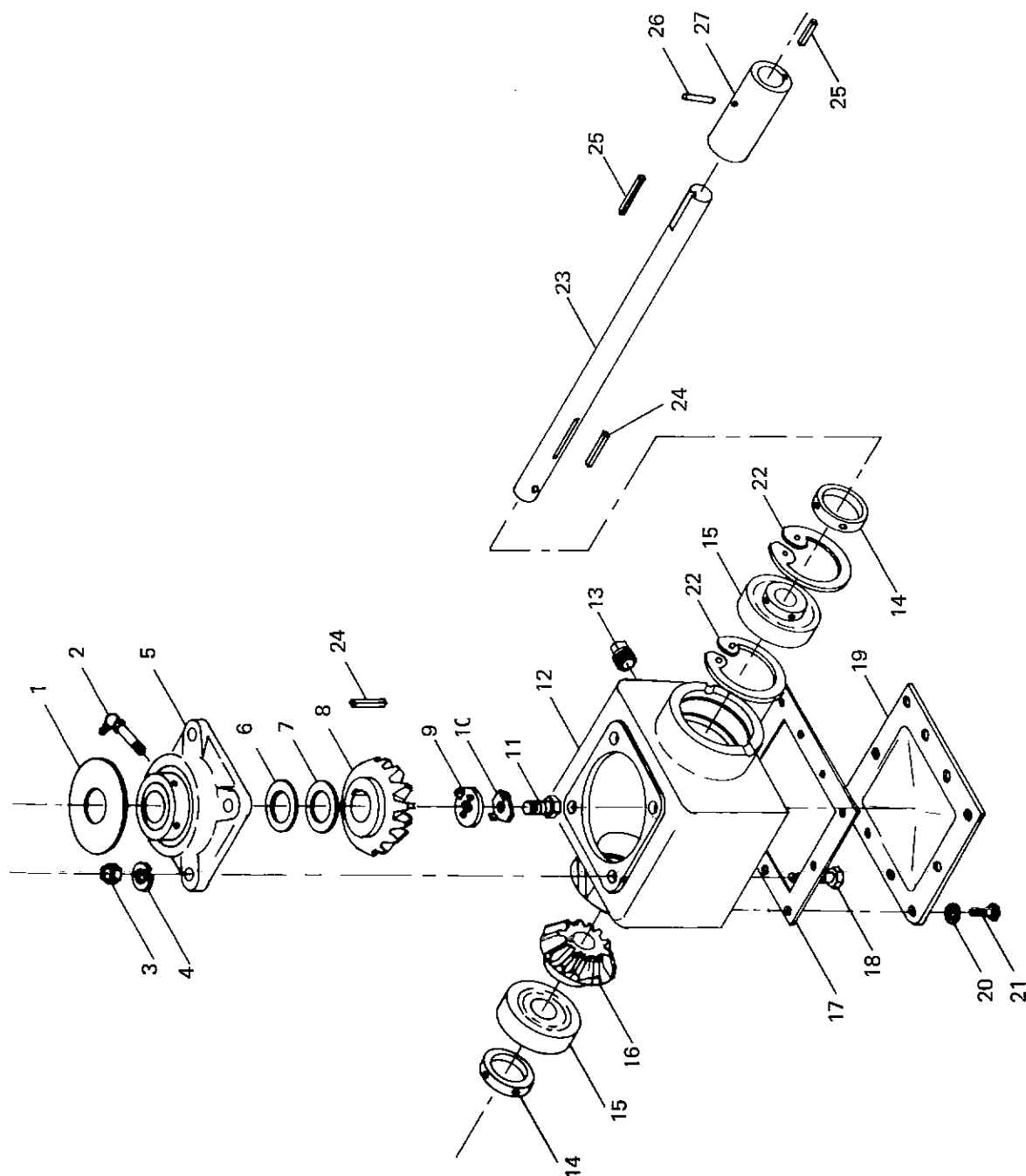
| KEY | PART NUMBER | DESCRIPTION  |
|-----|-------------|--|
| 1.  | 32-1419     | 10" Auger For Hydraulic Drive Feeder   |
| 2.  | 32-1420     | Plug, 1" x 1 5/8" x 5" Shaft (Welded In)   |
| 3.  | 19-1153     | Key, 1/4" x 1/4" x 1 1/4"  |
| 4.  | 33-3593     | Shield, Auger Safety   |
| 5.  | 03-3497     | 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<br>(Use With 48T. Sprocket) |
|     | 08-3595     | Chain, RC40, 78 Pitch, Including Connector And Offsets<br>(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



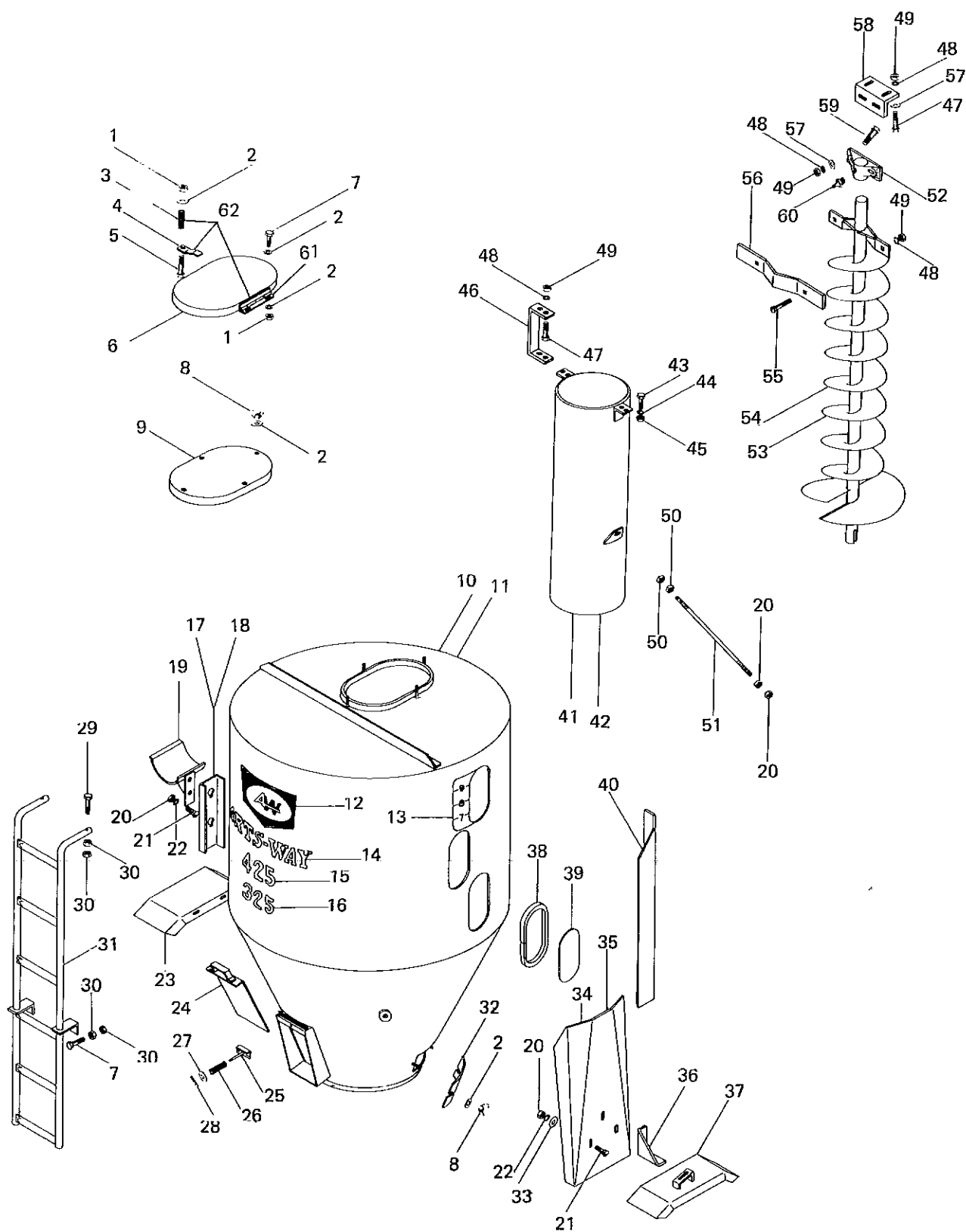


| KEY | PART NUMBER        | DESCRIPTION  |
|-----|--------------------|--|
| 1.  | 33-3534<br>33-3623 | Shield, Supplement Hopper Drive<br>Shield, Used With Lower Drive, Used After Serial<br>number 704559 |
| 2.  | 03-2118            | Washer, 3/8" Lock, Plated  |
| 3.  | 22-2726            | Nut, 3/8" 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  |
| 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. | 32-2373            | 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<br>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 |



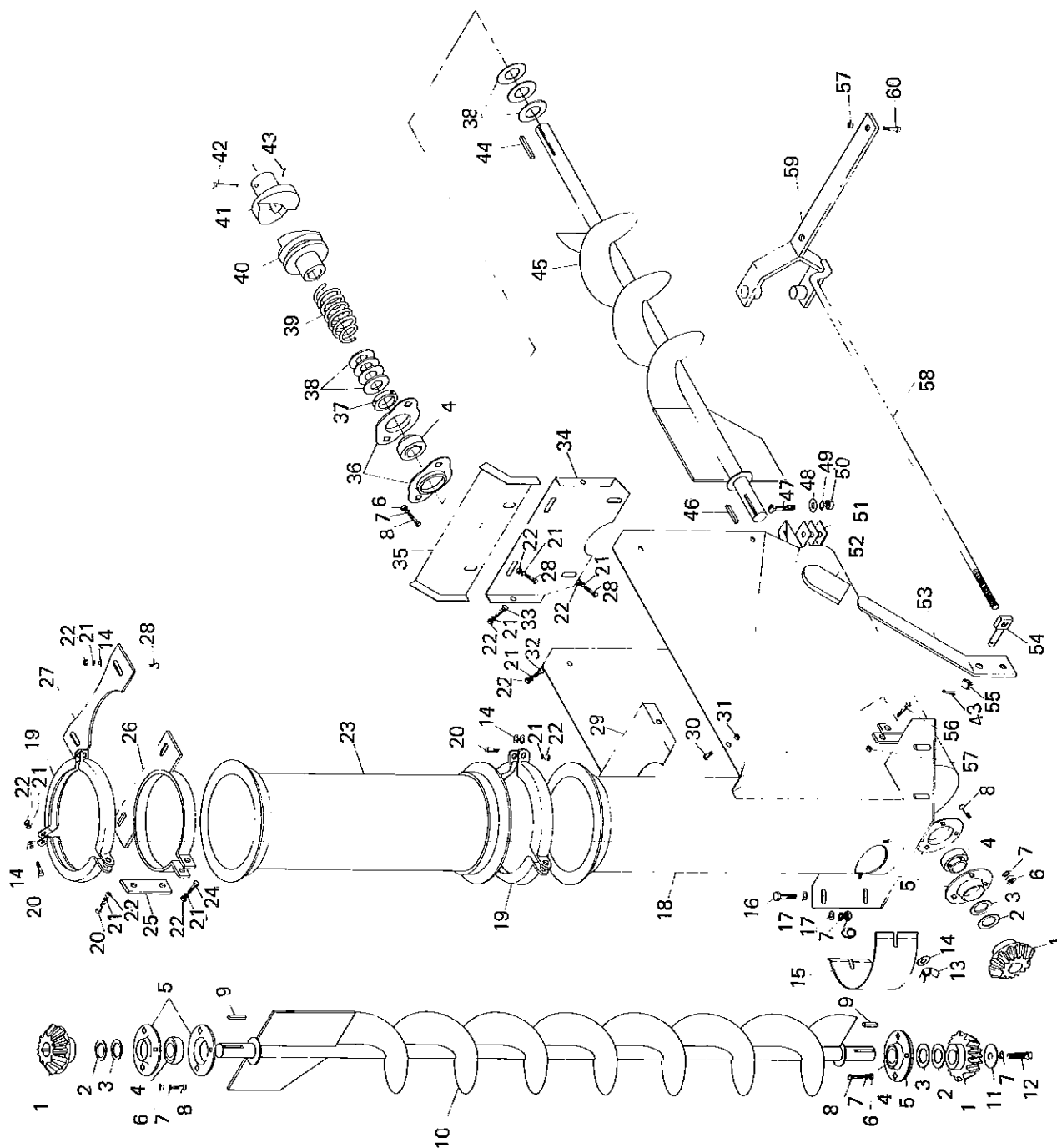




| KEY | PART NUMBER | DESCRIPTION   |
|-----|-------------|---|
| 1.  | 03-2203     | Nut, 5/16" Hex, Self Locking                            |
| 2.  | 03-2292     | Washer, 5/16" Flat, Plated                              |
| 3.  | 38-1308     | Spring, Lid Holder                                      |
| 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. | 33-1114     | 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                               |



# FIRST SECTION BACK AUGER

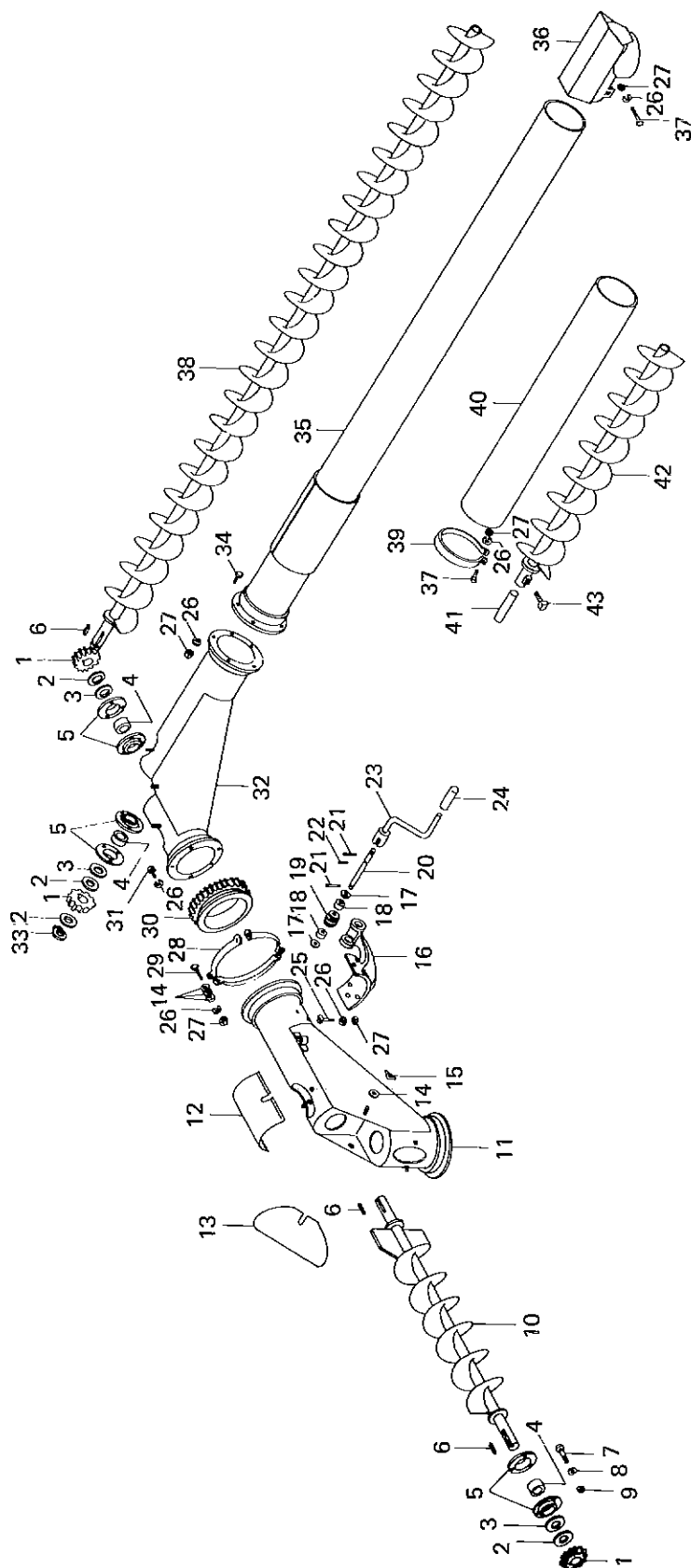




| KEY | PART NUMBER        | DESCRIPTION                            |
|-----|--------------------|--|
| 1.  | 14-2058            | Bevel Gear 1 1/8" Bore                 |
| 2.  | 40-2065            | Washer 1 1/8" I.D. 1 5/8" O.D. 10 Gage |
| 3.  | 40-2075            | Washer 1 1/8" I.D. 1 5/8" O.D. 12 Gage |
| 4.  | 01-2023            | Bearing Only 1 1/8"                    |
| 5.  | 01-1915            | Flange Only For 1 1/8" Bearing         |
| 6.  | 22-2726            | 3/8" Nut Hex                           |
| 7.  | 03-2118            | 3/8" Lock Washer                       |
| 8.  | 03-2017            | 3/8" x 1" Bolt Carriage                |
| 9.  | 19-2163            | Key 5/16" x 1 1/2"                     |
| 10. | 32-2100            | Vertical Back Auger (Standard)         |
|     | 32-2101            | Vertical Back Auger (18" Extension)    |
| 11. | <del>40-1227</del> | Washer                                 |
| 12. | <del>03-1226</del> | 3/8" x 1" Bolt Hex                     |
| 13. | 22-0979            | Wing Nut 5/16"                         |
| 14. | 03-2292            | 5/16" Flat Washer                      |
| 15. | 33-1252            | Clean Out Door                         |
| 16. | 03-0669            | 3/8" x 1 1/4" Hex Bolt                 |
| 17. | 03-2119            | 3/8" Flat Washer                       |
| 18. | 16-3545            | First Section Discharge Unit           |
| 19. | 06-1248            | 3-Piece Swivel Clamp Ring              |
| 20. | 03-0590            | 5/16" x 1" Hex, Bolt                   |
| 21. | 40-2362            | 5/16" Lock Washer                      |
| 22. | 22-2363            | 5/16" Hex, Nut                         |
| 23. | 16-1752            | 18" Extension Vertical Tube            |
| 24. | 03-3003            | 5/16" x 1 1/4" Hex, Bolt               |
| 25. | 04-3546            | Stabilizer Bracket                     |
| 26. | 06-0830            | Ring For Vertical Extension            |
| 27. | 04-0834            | Tank Bracket For Vertical Extension    |
| 28. | 03-1241            | 5/16" x 3/4" Carriage Bolt             |
| 29. | 33-3547            | Feed Deflector                         |
| 30. | 03-2124            | 1/4" x 1/2" Truss Head Bolt            |
| 31. | 22-2327            | 1/4" Whiz Nut                          |
| 32. | 03-0688            | 5/16" x 5/8" Hex, Bolt                 |
| 33. | 03-1214            | 5/16" x 3/4" Hex, Bolt                 |
| 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            | 5/16" x 2 3/8" Clevis Pin              |
| 43. | 19-2070            | 5/32" x 1" Cotter Pin                  |
| 44. | 19-2157            | Key 5/16" x 3 1/2"                     |
| 45. | 45-3550            | 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 28.5" Long 3/8"             |
| 59. | 09-3553            | Clutch Arm                             |
| 60. | 03-1226            | Bolt 3/8" x 1" Hex                     |



# DISCHARGE AUGER TOP UNIT

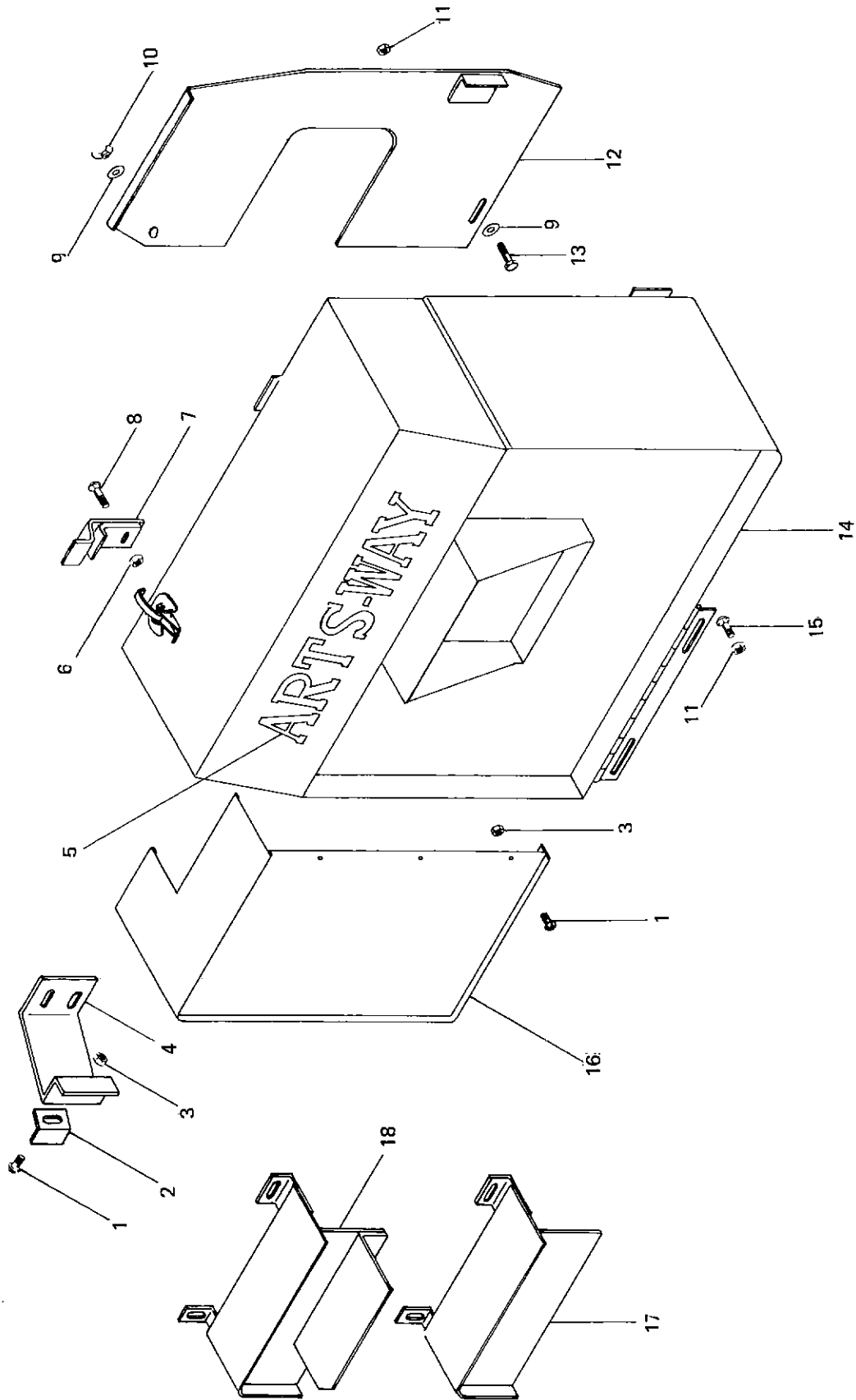




| KEY | PART NUMBER | DESCRIPTION                                  |
|-----|-------------|--|
| 1.  | 14-2058     | Bevel Gear, Forged And Hardened, 1 1/8" Bore |
| 2.  | 40-2065     | Washer, 1 1/8" I.D. x 1 5/8" O.D. x 10 Gage  |
| 3.  | 40-2075     | Washer, 1 1/8" I.D. x 1 5/8" O.D. x 12 Gage  |
| 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, Plated            |
| 8.  | 03-2118     | Washer, 3/8" Lock, Plated                    |
| 9.  | 22-2726     | Nut, 3/8" Hex, Plated                        |
| 10. | 32-2059     | 6" Cross Auger, 1 1/8" Shaft                 |
| 11. | 16-2077     | Discharge Tube Elbow                         |
| 12. | 33-1252     | Clean Out Door                               |
| 13. | 33-1251     | Bevel Gear Shield                            |
| 14. | 03-2292     | Washer, 5/16" Flat, Plated                   |
| 15. | 22-0979     | 5/16" Wing Nut                               |
| 16. | 16-1259     | Worm Gear Holder Casting                     |
| 17. | 40-3519     | Thrust Washer, 5/8" I.D. x 1" O.D. x 14 Gage |
| 18. | 01-1258     | 5/8" Thrust Bearing                          |
| 19. | 14-1260     | Steel Worm Gear                              |
| 20. | 32-1257     | 5/8" x 7 1/2" Worm Gear Shaft                |
| 21. | 23-1255     | 1/4" x 1 1/4" Expanpin                       |
| 22. | 23-1256     | 3/16" x 1" Expanpin                          |
| 23. | 09-1250     | Crank  |
| 24. | 42-2064     | Plastic Grip For Crank                       |
| 25. | 03-3308     | Bolt, 5/16" x 1", Flat Head Plated           |
| 26. | 40-2362     | Washer, 5/16" Lock, Plated                   |
| 27. | 22-2363     | Nut, 5/16" Hex, Plated                       |
| 28. | 06-1248     | 3-Piece Swivel Clamp Ring                    |
| 29. | 03-0590     | Bolt, 5/16" x 1", Hex Cap, Plated            |
| 30. | 14-1249     | Cast Ring Gear                               |
| 31. | 03-3228     | Bolt, 5/16" x 5/8", Hex Cap                  |
| 32. | 16-2078     | Discharge Tube Elbow                         |
| 33. | 35-3520     | 1 1/8" Snap Ring                             |
| 34. | 03-1214     | Bolt, 5/16" x 3/4", Hex Cap, Plated          |
| 35. | 16-1246     | 79" Tube (Standard)                          |
|     | 16-1764     | 91" Tube (1' Extension)                      |
|     | 16-1765     | 103" Tube (2' Extension)                     |
|     | 16-1766     | 115" Tube (3' Extension)                     |
| 36. | 16-1592     | Unloading Auger Hood                         |
| 37. | 03-3003     | Bolt, 5/16" x 1 1/4", Hex Cap, Plated        |
| 38. | 32-2060     | Auger With 95" Shaft (Standard)              |
|     | 32-2061     | Auger With 107" Shaft (1' Extension)         |
|     | 32-2062     | Auger With 119" Shaft (2' Extension)         |
|     | 32-2063     | Auger With 131" Shaft (3' Extension)         |
| 39. | 06-1585     | Band, Extension Holding                      |
| 40. | 16-1580     | Tube, 2' Extension                           |
|     | 16-1581     | Tube, 3' Extension                           |
|     | 16-1582     | Tube, 4' Extension                           |
|     | 16-1583     | Tube, 5' Extension                           |
|     | 16-1584     | Tube, 6' Extension                           |
| 41. | 32-1586     | Shaft, 13/16" x 8"                           |
| 42. | 32-1587     | Auger, 2' Extension                          |
|     | 32-1588     | Auger, 3' Extension                          |
|     | 32-1589     | Auger, 4' Extension                          |
|     | 32-1590     | Auger, 5' Extension                          |
|     | 32-1591     | Auger, 6' Extension                          |
| 43. | 03-0878     | Set Screw, 7/16" x 3/4" Square Head          |

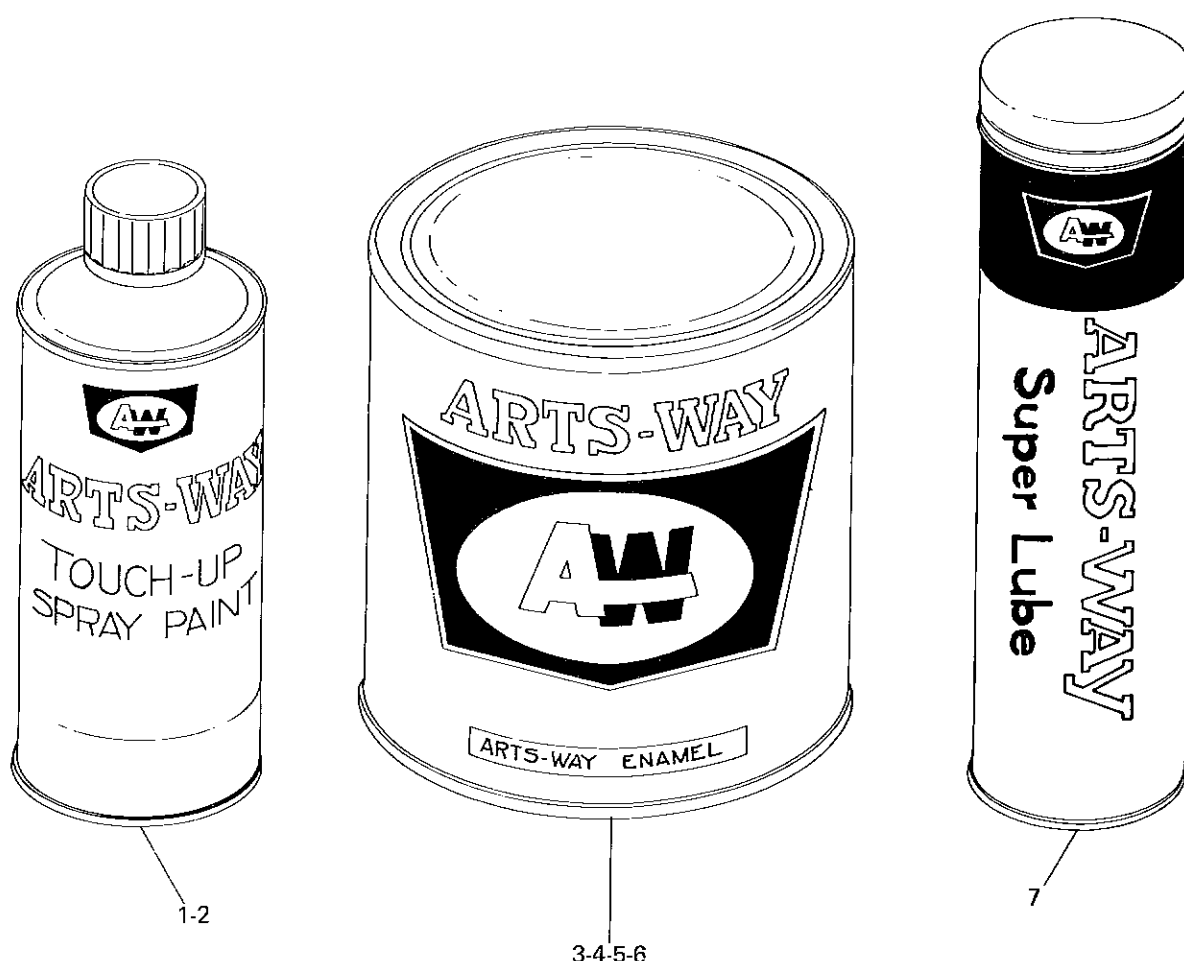


# MAIN DRIVE SHIELD





| 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.  | 20-3570     | Complete Set Of Decals For Model Number 425 Mixer And Mill |
| 9.  | 20-3571     | Complete Set Of Decals For Model Number 325 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.