



# **HAYBUSTER<sup>®</sup>**

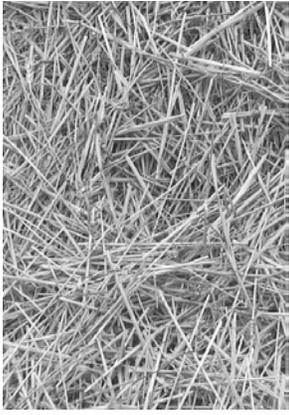
# **3106<sup>™</sup>**

# **ROCK-EZE<sup>™</sup>**

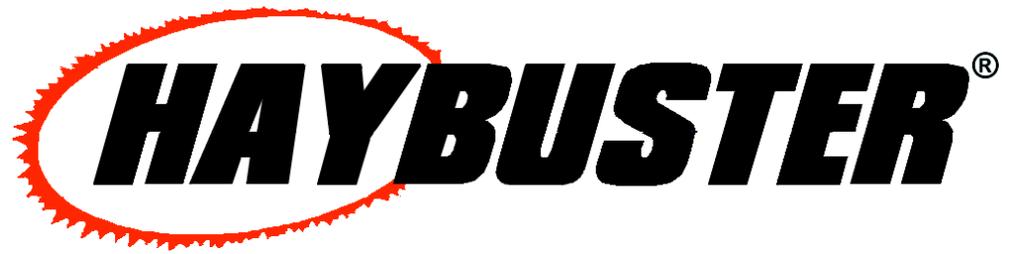
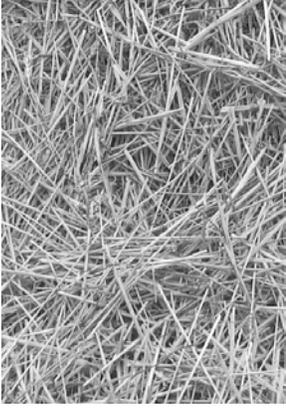
**Serial Number AJ330106 & Up**

**Operating Instructions  
and Parts Reference**





**HAYBUSTER<sup>®</sup>**  
*A Tradition of Innovation Since 1966*



# 3106<sup>TM</sup> ROCK-EZE<sup>TM</sup>

**Serial Number AJ330106 & Up**

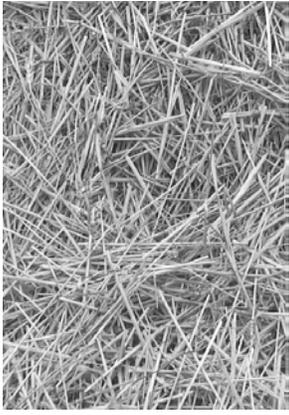
## **Operating Instructions and Parts Reference**

DuraTech Industries International Inc. (DuraTech Industries) has made every effort to assure that this manual completely and accurately describes the operation and maintenance of the 3106 ROCK-EZE<sup>TM</sup> as of the date of publication. DuraTech Industries reserves the right to make updates to the machine from time to time. Even in the event of such updates, you should still find this manual to be appropriate for the safe operation and maintenance of your unit.

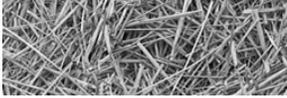
This manual, as well as materials provided by component suppliers to DuraTech Industries are all considered to be part of the information package. Every operator is required to read and understand these manuals, and they should be located within easy access for periodic review.

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## **Foreword**

### **All personnel must read and understand before operating unit**

- The “Introduction” section, which explains normal operation of the machine.
- Section 1, “Safety” which contains important safety information.
- Section 2, “Dealer Preparation” to verify that the machine has been prepared for use.
- Section 3.1, “Pre-Operation Inspection”.

### **Appropriate use of the unit**

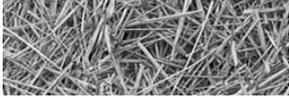
This 3106 ROCK-EZE combination windrower and rock picker is designed to windrow fields while picking rocks with diameters from 2 to 15 inches.

### **Operator protection**

As with all machinery, care needs to be taken by the operator in order to insure the safety of the operator and those in the surrounding area.

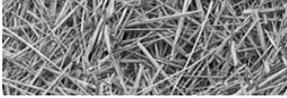


**WARNING:** Operators and those observing the operation of the 3106 ROCK-EZE are required to wear head, eye, and ear protection. No loose clothing is allowed.



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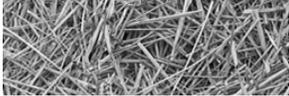
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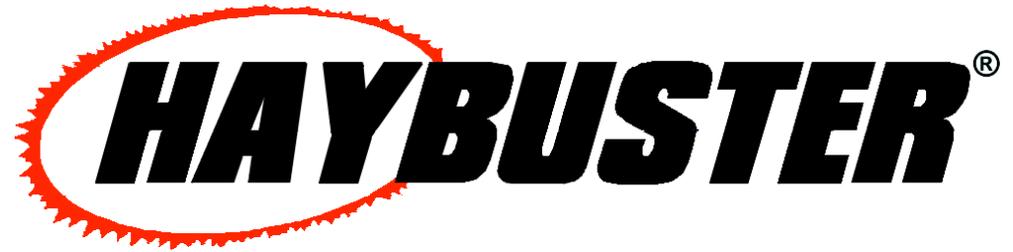
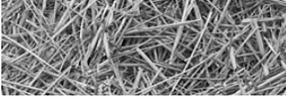
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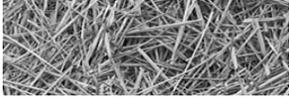


# **3106**

# **ROCK-EZE**

**Serial Number AJ330106 & Up**

**Part 1:**  
**Operating Instructions**



# Introduction

This 3106 ROCK-EZE combination windrower and rock picker is designed to windrow fields while picking rocks with diameters from 2 to 15 inches.

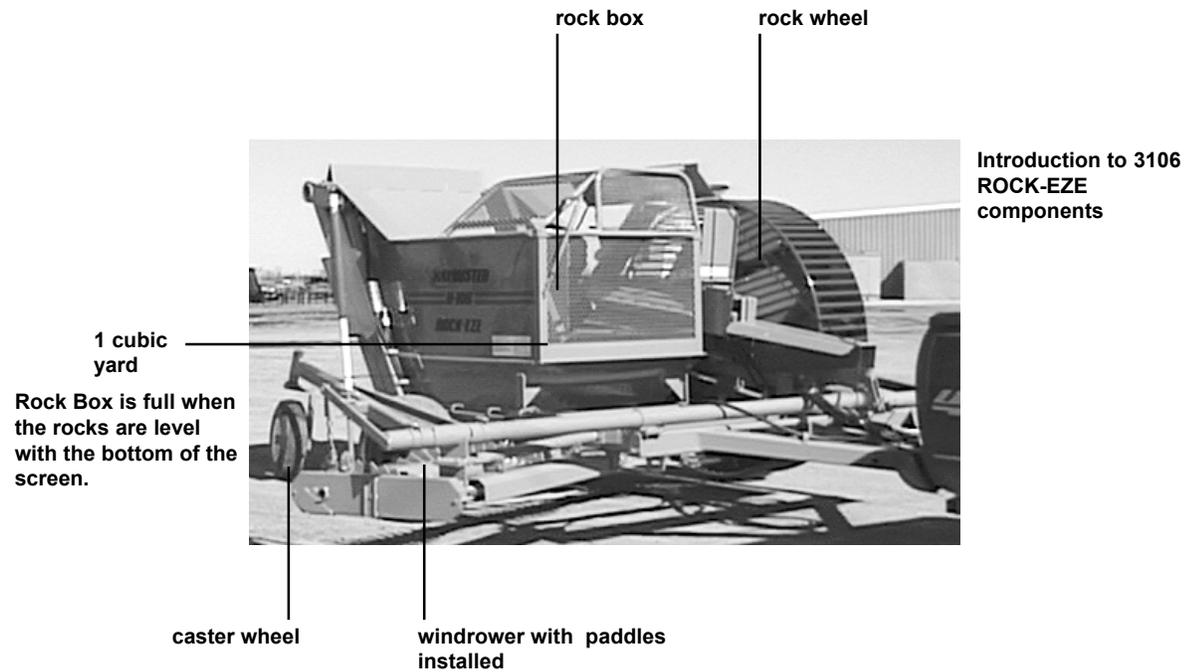
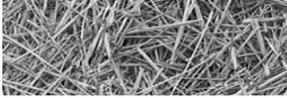
## Purpose

The purpose of this owner's manual is to explain maintenance requirements and routine adjustments for the most efficient operation of your 3106 ROCK-EZE. There is also a trouble shooting section that may help in case of problems in the field. Any information not covered in this manual may be obtained from your dealer.



**Special Note:** When reference is made as to front, rear, right hand or left hand of this machine, the reference is always made from standing at the rear end of the machine and looking towards the hitch. Always use serial number and model number when referring to parts or problems. Please obtain your serial number and write it below for your future reference.

MODEL: 3106 ROCK-EZE      SERIAL NO. \_\_\_\_\_



There are some important points to remember in the operation of your 3106 ROCK-EZE.

1. The Tractor used to power your rockpicker should have an adequate hydraulic system. A minimum of 12 G.P.M., and 1500 P.S.I. is required at the outlets where hoses from rockpicker are plugged into tractor.

If the hydraulic system is not adequate, system will heat causing rotors to slow down and possibly stop. Some older tractors do not have coolers in their hydraulic system. Some have small oil reserves. Either case will allow fluid to heat rapidly.

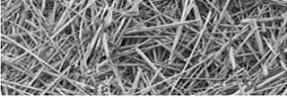
When rotors operate properly, the rock box will fill nearly level from side to side. If box fills only on the side nearest the kicker rotor, R.P.M. should be checked with tachometer at rear of kicker rotor. Rotor should turn a minimum of 500 R.P.M. Any less will allow rocks to wedge in kicker rotor.

In cases when specifications are adequate, but rotors tend to operate too slow, tractors hydraulic system should be checked for G.P.M. and P.S.I., as systems tend to wear and not meet manufacturers specifications.

2. Conditions of terrain to be picked are important. Soil should be loose and free of trash. Terrain with ridges does not allow windrower to gather small stones.

This machine was not designed to dig rocks. In most cases, windrower rotor should be allowed to skim approximately 1" of loose topsoil.

Trash gathered in rock wheel does not allow small rocks to tumble free and the dirt to fall through bars.



## Hydraulic specifications

Any tractor having an adequate system (minimum of 12 G.P.M. and 1500 P.S.I. at tractor outlets) may be used on this rockpicker. The 3106 ROCK-EZE comes standard with hoses to accommodate triple outlets from the tractor. Optional kits are available for tractor with single or double outlets.

## Optional equipment

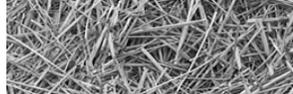
1. Kits for equipment with single or double hydraulic outlets.
2. Loose surface rocks may be picked from level soil which is not tilled, such as pasture or stubble ground. Some rocks will roll out in front of the rock wheel. An optional drag plate is available to stop these rocks and direct them into the wheel.

## Dealer responsibilities

- Read Section 2, "Dealer Preparation," and perform the tasks outlined. Also perform a pre-operation inspection as described in Section 3.1.
- Upon delivery of the unit to the customer, it is your responsibility to conduct a training session on the safe operation of the unit for the primary operator(s). You must also conduct a "walk-around" inspection of all safety instructional decals on the machine itself. Decals are illustrated in Part 2: Parts Reference.
- Complete and return the Warranty Registration Card. Receipt of this form is required to activate the warranty. Appendix A provides details of the warranty.

## Operator responsibilities

- Operator is responsible for his safety.
- Operator is also responsible for safety of others near the machine.
- Review Section 2, "Dealer Preparation," to verify that the machine has been prepared for use.
- Thoroughly review sections 3 and 5, which explain normal operation of the machine, and section 6, which explain maintenance requirements.
- Note the important safety information in the Foreword and in Section 1, "Safety."
- Keep copies of all manuals in a readily -accessible location for future reference.



## Section 1: Safety

The safety of the operator is of great importance to DuraTech Industries. We have provided decals, shield and other safety features to aid you in using your machine safely. In addition, we ask you to be a careful operator who will properly use and service your Haybuster equipment.



**WARNING:** FAILURE TO COMPLY WITH SAFETY INSTRUCTIONS THAT FOLLOW WITHIN THIS MANUAL COULD RESULT IN SEVERE PERSONAL INJURY OR DEATH. BEFORE ATTEMPTING TO OPERATE THIS MACHINE, CAREFULLY READ ALL INSTRUCTIONS CONTAINED WITHIN THIS MANUAL. ALSO READ THE INSTRUCTION MANUAL PROVIDED WITH YOUR TRACTOR.

THIS MACHINE IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THOSE EXPLAINED IN THE OPERATOR'S MANUAL, ADVERTISING LITERATURE, OR OTHER DURATECH INDUSTRIES WRITTEN MATERIAL PERTAINING TO THE 3106 ROCK-EZE.

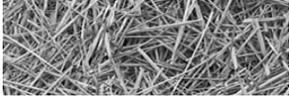
### 1.1 Safety-alert symbols

All decals are illustrated in **Part 2: Parts Reference**. Safety related decals are illustrated in section 1.3 "Machine safety labels"

The safety decals located on your machine contain important and useful information that will help you operate your equipment safely.

To assure that all decals remain in place and in good condition, follow the instructions below:

- Keep decals clean. Use soap and water - not mineral spirits, adhesive cleaners and other similar cleaners that will damage the decal.
- Replace all damaged or missing decals. When attaching decals, surface temperature of the machine must be at least 40° F (5° C). The surface must be also be clean and dry.
- When replacing a machine component to which a decal is attached, be sure to also replace the decal.
- Replacement decals can be purchased from your Haybuster dealer.



DuraTech Industries uses industry accepted **ASAE** standards in labeling its products for safety and operational characteristic.



## Safety-Alert Symbol

Read and recognize safety information. Be alert to the potential for personal injury when you see this safety-alert symbol.

**DANGER:** Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded.



**DANGER:**  
Signal word - White Lettering/Red Background  
Safety Alert Symbol - White Triangle/Red Exclamation Point

**WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.



**WARNING:**  
Signal word - Black Lettering/Orange Background  
Safety Alert Symbol - Black Triangle/Orange Exclamation Point

**CAUTION:** Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.



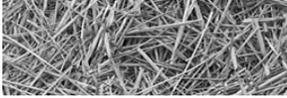
**CAUTION:**  
Signal word - Black Lettering/Yellow Background  
Safety Alert Symbol - Black Triangle/Yellow Exclamation Point

This manual uses the symbols to the right to note important safety instructions and information.

The **DANGER**, **WARNING** and **CAUTION** symbols are used to denote conditions as stated in the text above. Furthermore, the text dealing with these situations is surrounded by a box with a white background, will begin with **DANGER**, **WARNING**, or **CAUTION**.

The **INFORMATION** symbol is used to denote important information or notes in regards to maintenance and use of the machine. The text for this information is surrounded by a box with a light grey background, and will begin with either **Important** or **Note**.





## 1.2 Operator - personal equipment

### THE OPERATOR

#### Physical Condition

You must be in good physical condition and mental health and not under the influence of any substance (drugs, alcohol) which might impair vision, dexterity or judgment.

Do not operate a **3106 ROCK-EZE** when you are fatigued. Be alert - If you get tired while operating your **3106 ROCK-EZE**, take a break. Fatigue may result in loss of control. Working with any farm equipment can be strenuous. If you have any condition that might be aggravated by strenuous work, check with your doctor before operating

#### Proper Clothing



Clothing must be sturdy and snug-fitting, but allow complete freedom of movement. Avoid loosefitting jackets, scarfs, neckties, jewelry, flared or cuffed pants, unconfined long hair or anything that could become entangled with the machine.



Protect your hands with gloves when handling machinery. Heavyduty, nonslip gloves improve your grip and protect your hands.



Good footing is most important. Wear sturdy boots with nonslip soles. Steel-toed safety boots are recommended.



To reduce the risk of injury to your eyes never operate a **3106 ROCK-EZE** unless wearing goggles or properly fitted safety glasses with adequate top and side protection.



Tractor noise may damage your hearing. Always wear sound barriers (ear plugs or ear muffers) to protect your hearing. Continual and regular users should have their hearing checked regularly.

### 1.3 Machine safety labels

The safety decals located on your machine contain important information that will help you operate your equipment. Become familiar with the decals and their locations.



**DANGER:** DO NOT REMOVE HYDRAULIC CYLINDER SAFETY STOP UNTIL THE HYDRAULIC HOSES HAVE BEEN CHARGED AND THE CYLINDER FULLY EXTENDED. **FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SEVERE PERSONAL INJURY OR DEATH.**



**WARNING:** FOR YOUR PROTECTION KEEP ALL SHIELDS IN PLACE AND SECURED WHILE MACHINE IS OPERATING. MOVING PARTS WITHIN CAN CAUSE SEVERE PERSONAL INJURY.



**WARNING:** FOR YOUR PROTECTION AND PROTECTION OF OTHERS, **PRACTICE THE FOLLOWING SAFETY RULES.**

1. BEFORE OPERATING THIS MACHINE, READ THE OPERATOR'S MANUALS SUPPLIED WITH THIS MACHINE AND YOUR TRACTOR.
2. CHECK OPERATORS MANUALS TO BE SURE YOUR TRACTOR MEETS THE MINIMUM REQUIREMENTS FOR THIS MACHINE.
3. READ ALL DECALS PLACED ON THIS MACHINE FOR YOUR SAFETY AND CONVENIENCE.
4. NEVER ALLOW RIDERS ON THIS IMPLEMENT OR THE TRACTOR.
5. KEEP OTHERS AWAY FROM THIS MACHINE WHILE IN OPERATION.
6. KEEP ALL SHIELDS IN PLACE WHILE MACHINE IS OPERATING.
7. KEEP HANDS, FEET, LOOSE CLOTHING, ETC., AWAY FROM POWER DRIVEN PARTS.
8. ALWAYS SHUT OFF MACHINE AND ENGINE BEFORE SERVICING, UNCLOGGING, INSPECTING, OR WORKING NEAR THIS MACHINE FOR ANY REASON. ALWAYS PLACE TRANSMISSION IN PARK OR SET PARK BRAKE AND WAIT FOR ALL MOVEMENT TO STOP BEFORE APPROACHING THIS MACHINE.



**DANGER** DO NOT REMOVE HYDRAULIC CYLINDER SAFETY STOP UNTIL THE HYDRAULIC HOSES HAVE BEEN CHARGED AND THE CYLINDER FULLY EXTENDED. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SEVERE PERSONAL INJURY OR DEATH.



**PELIGRO** NO SAQUE EL TOPE DEL CILINDRO HIDRÁULICO HASTA QUE SE CARGEN LAS MANGUERAS HIDRÁULICAS Y SE EXTIENDA COMPLETAMENTE EL CILINDRO. FALLAR A SEGUIR ESTAS INSTRUCCIONES PUEDE RESULTAR EN HERIDAS SEVERAS PERSONALES O MUERTE.

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**WARNING**

FOR YOUR PROTECTION KEEP ALL SHIELDS IN PLACE AND SECURED WHILE MACHINE IS OPERATING. MOVING PARTS WITHIN CAN CAUSE SEVERE PERSONAL INJURY.

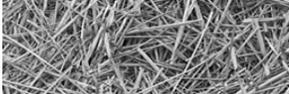
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**WARNING** FOR YOUR PROTECTION AND PROTECTION OF OTHERS, PRACTICE THE FOLLOWING SAFETY RULES.

1. BEFORE OPERATING THIS MACHINE, READ THE OPERATOR'S MANUALS SUPPLIED WITH THIS MACHINE AND YOUR TRACTOR.
2. CHECK OPERATORS MANUALS TO BE SURE YOUR TRACTOR MEETS THE MINIMUM REQUIREMENTS FOR THIS MACHINE.
3. READ ALL DECALS PLACED ON THIS MACHINE FOR YOUR SAFETY AND CONVENIENCE.
4. NEVER ALLOW RIDERS ON THIS IMPLEMENT OR THE TRACTOR.
5. KEEP OTHERS AWAY FROM THIS MACHINE WHILE IN OPERATION.
6. KEEP ALL SHIELDS IN PLACE WHILE MACHINE IS OPERATING.
7. KEEP HANDS, FEET, LOOSE CLOTHING, ETC., AWAY FROM POWER DRIVEN PARTS.
8. ALWAYS SHUT OFF MACHINE AND ENGINE BEFORE SERVICING, UNCLOGGING, INSPECTING, OR WORKING NEAR THIS MACHINE FOR ANY REASON. ALWAYS PLACE TRANSMISSION IN PARK OR SET PARK BRAKE AND WAIT FOR ALL MOVEMENT TO STOP BEFORE APPROACHING THIS MACHINE.

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## 1.4 Safety review Section

### BEFORE OPERATING

- Read and follow all instructions contained in:
  - a. This 3106 ROCK-EZE operator's manual
  - b. Tractor operator's manual
  - c. Decals placed on the 3106 ROCK-EZE



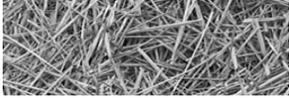
**NOTE:** Additional copies of the above mentioned materials can be obtained from your dealer.

- Allow only responsible, properly instructed individuals to operate your machine. Carefully supervise inexperienced operators.
- Use a tractor which meets the tractor requirements contained within this manual. **See REQUIRED FOR OPERATION: page 33.**
- Make sure the machine is in good operating condition and that all protective shields are in place and in proper working order. Replace damaged shields before operating.
- Make no modifications to this equipment unless specifically requested or recommended by DuraTech Industries.
- Tighten or replace any loose or cracked bolts, chains, hoses or connections.
- Check overhead for electrical power lines or other obstructions and be certain there is adequate clearance before raising hopper.

### DURING OPERATION

Enforce the following safety precautions and others contained in this manual to prevent serious personal injury.

- Never leave the tractor controls unattended while the 3106 ROCK-EZE is operating.
- Always make sure the area behind the 3106 ROCK-EZE is clear before raising or lowering the bucket.
- Exercise extreme caution when operating the 3106 ROCK-EZE on steep slopes or grades.
- Be sure all spectators are clear of the area where 3106 ROCK-EZE is in operation.
- Be sure that the tractor operator is the only person riding the tractor. Allow no one to ride the 3106 ROCK-EZE at any time.
- Never work around or under the hopper when the hopper is lifted unless the safety stops are installed on both lift cylinders.
- Watch out for and avoid any object that might interfere with the proper operation on the machine.
- Keep hands, feet and clothing away from power driven parts.



## WHEN PERFORMING SERVICE & MAINTENANCE



**CAUTION:** Before performing any maintenance or adjustments make sure machine is NOT running. If for any reason arc welding is to be done, always ground rotor to frame of machine to prevent arcing on bearings.

- Before working on or near 3106 ROCK-EZE for any reason, including servicing, inspecting or unclogging machine: follow shutdown procedure, section 3.2
- If any service work is to be done on the 3106 ROCK-EZE while in the raised position, be sure to install hold up lock on cylinders or use a safety chain between movable frame and main frame to prevent dropping in case of hydraulic failure.
- Relieve all pressure in the hydraulic system before disconnecting the lines or performing other work on the system (bucket must be down). Make sure all connections are tight and the hoses and lines are in good condition before applying pressure to the systems.



**CAUTION:** Hydraulic fluid escaping under pressure can be invisible and have enough force to penetrate the skin. When searching for a suspected leak, use a piece of wood or cardboard rather than your hands. If injured, seek medical attention immediately to prevent serious infection or reaction.

- When replacing any part on your 3106 ROCK-EZE, be sure to use only DuraTech Industries authorized parts.

## 1.5 Towing/road transport

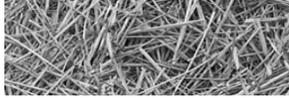
- Use good judgment and drive slowly over rough or uneven terrain.
- Be sure tractor brakes are properly adjusted and foot pedals are locked together.
- The towing vehicle must be of equal or of greater weight that the 3106 ROCK-EZE and any load in hopper to assure adequate braking and steering control.
- Check your state laws regarding the use of lights, slow moving vehicle signs, safety chain and other possible requirements.



**WARNING: FAILURE TO COMPLY WITH ANY OF THE PRECEDING SAFETY INSTRUCTIONS OR THOSE THAT FOLLOW WITHIN THIS MANUAL MAY RESULT IN SEVERE INJURY OR DEATH.**



**IMPORTANT: THIS ROCK-EZE IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT'S INTENDED, AS EXPLAINED IN THE OPERATOR'S MANUAL, ADVERTISING MATERIALS, AND OTHER PERTINENT WRITTEN MATERIAL PREPARED BY DURATECH INDUSTRIES.**



## Section 2: Dealer preparation

### 2.1 ASSEMBLY

Machines are shipped with the Windrower assembly removed. Main frame and rock wheel frame are secured by bolts and clamps. Two transport pins have been provided in upright rock wheel frame guides. Lock pins may be used to keep wheel in raised position for extended periods of time, or in case of hydraulic failure when transporting long distances. Be sure to remove any pins from transport position to prevent damage to machine while testing hydraulic controls.

#### STEP 1.

Begin assembly with machine on firm, level ground.

All assembly and adjustments must be done with a drawbar height of 16 inches (plus or minus 1 inch) from ground level to top of drawbar. Hook machine to tractor towbar. Remove Windrower and Windrower carrier arm from shipping brackets, and discard brackets. Remove wheel assemblies and parts container from inside of rockbox. Place the rockwheel frame transport pins in in the storage position.

#### STEP 2.

Attach hoses to the proper hydraulic outlets on tractor (**illustrations 3.1 and 3.2 on pages 21 and 22**). Cycle hydraulic cylinders to charge hoses. Remove shipping brackets from between mainframe and rock wheel frame, and discard. Raise the mainframe, and bolt the 11Lx16 wheel assembly in place using (4) 5/8x2" bolts, lock washer, and nuts. For easy assembly of the Windrower, raise rock box to full height, and place safety blocks (provided with the machine) on the rock box cylinders.

#### STEP 3.

Assemble Windrower, bearing, cotter pin, etc. as shown in **illustration 1**. Slide end of Windrower with bearing attached under machine, and towards the rock wheel. Disconnect hose (**A**) as shown in **illustration 1**, at zerk fitting. Tighten elbows (**B**), as shown in **illustration 2**. Connect hose to elbow, slide Windrower and bearing assembly into carrier bracket (**D**). Mount to bracket by using (2) 1/2x2" bolts, flat washer, and lock nuts. Reconnect hose (**A**) to zerk fitting. Bolt bearing shield (**E**) in place using 3/8x1" bolt, flat washer, and lock nut.

**ADJUSTMENTS** - Linkage (**H**) adjusts the working height at the inner end of the Windrower. This machine was not designed to dig rocks; in most cases Windrower should be allowed to skim approximately 1" of loose topsoil. To adjust the clearance between rock wheel and carrier bracket plate (**G**), turn nuts (**F**) in or out as necessary - the rock wheel must turn without contacting plate.

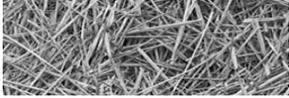


illustration 1

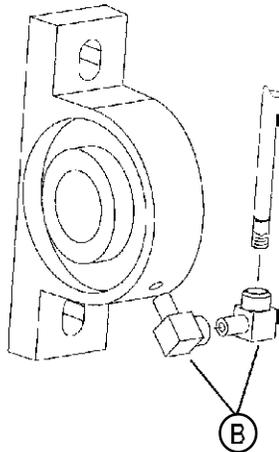
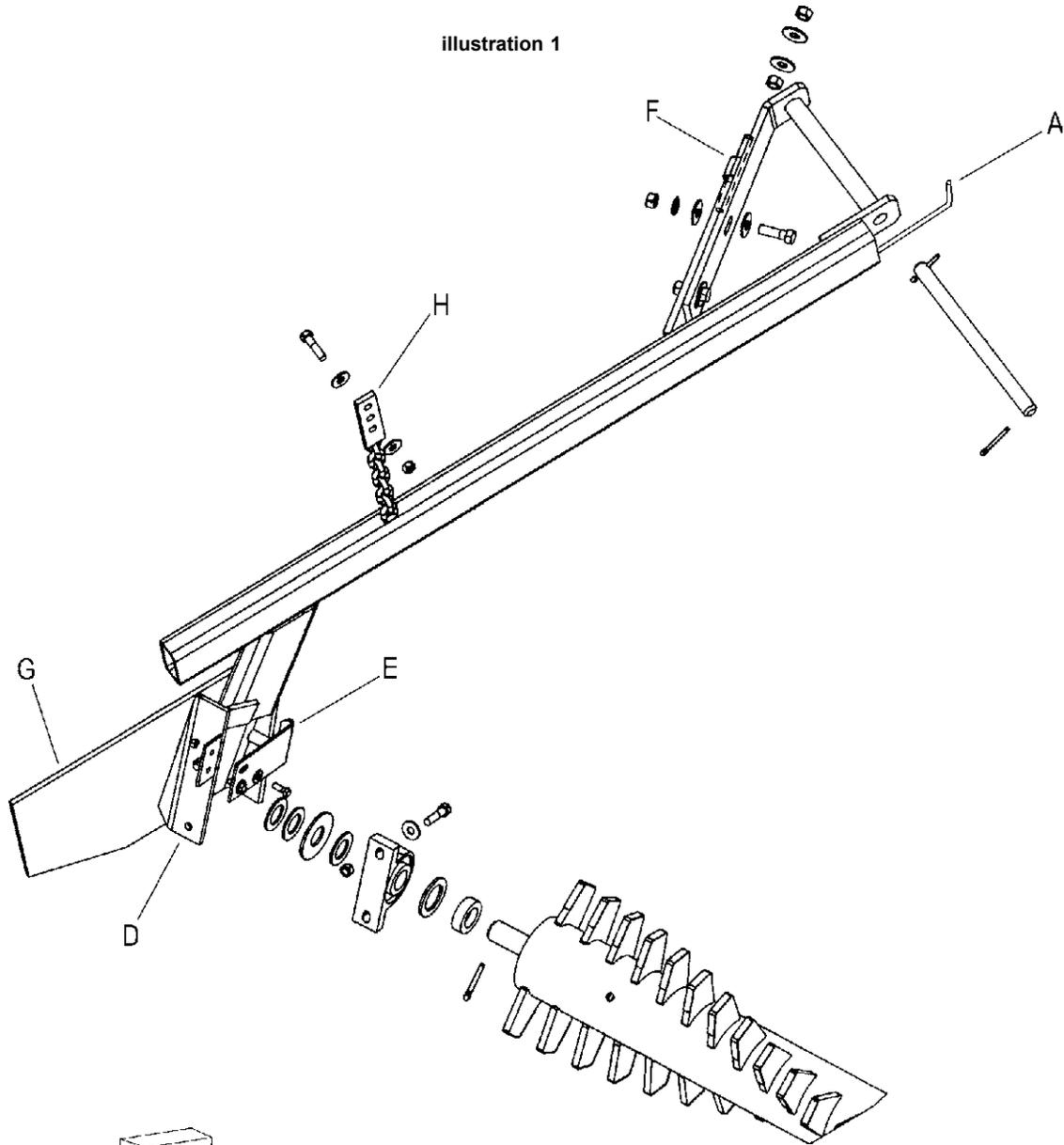
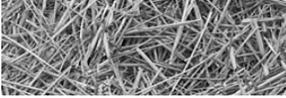


illustration 2

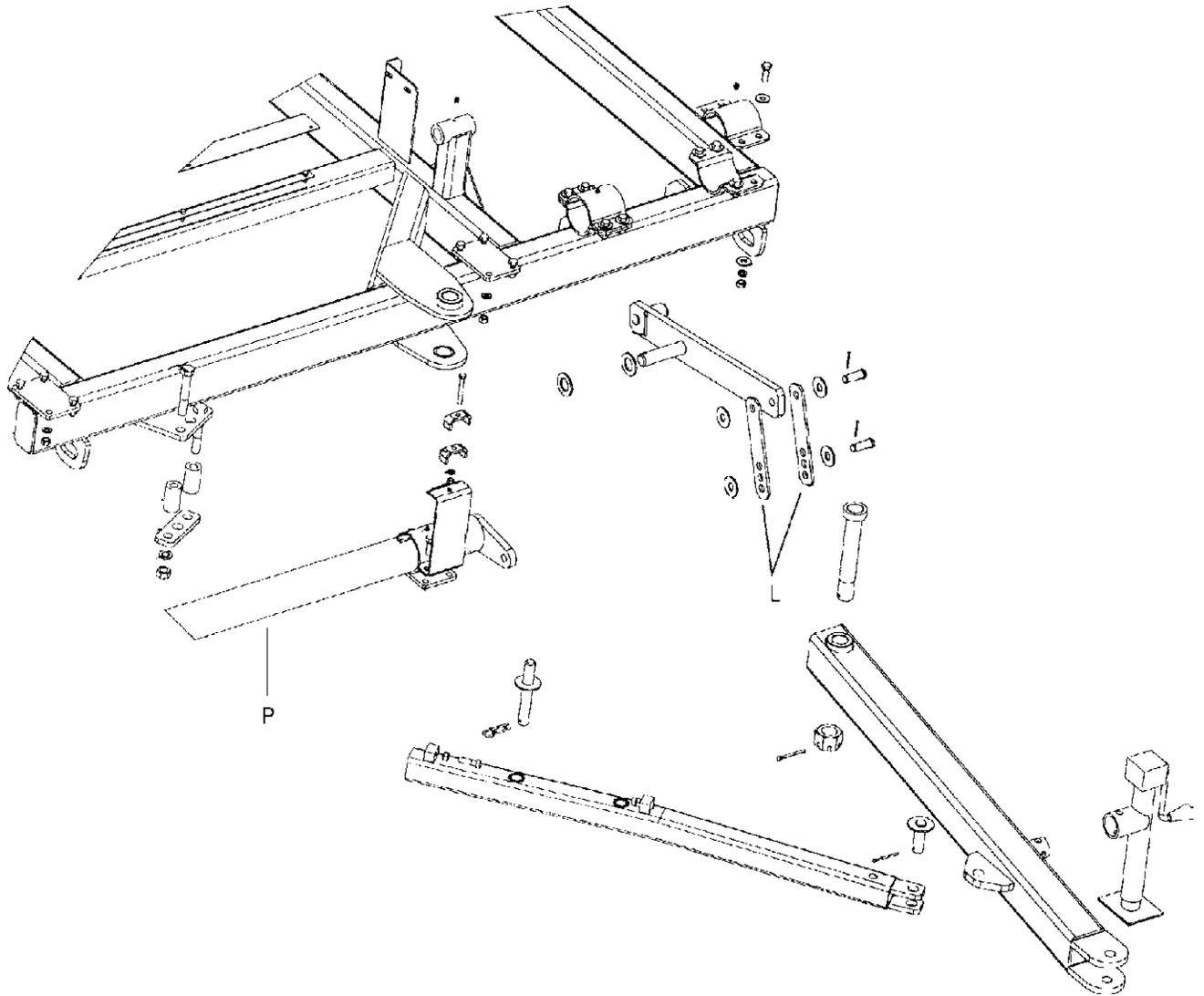
**SEE ALSO  
PAGE 60**



#### STEP 4.

Remove 3/4" pin and washer from linkage straps (L), connect to hanger tube using center hole as shown in **illustration 3**. Assemble castor wheel, machine bushings, and cotter pin as shown in **illustration 4**.

illustration 3



**SEE ALSO  
PAGE 44**

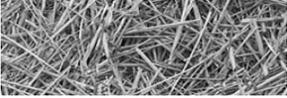
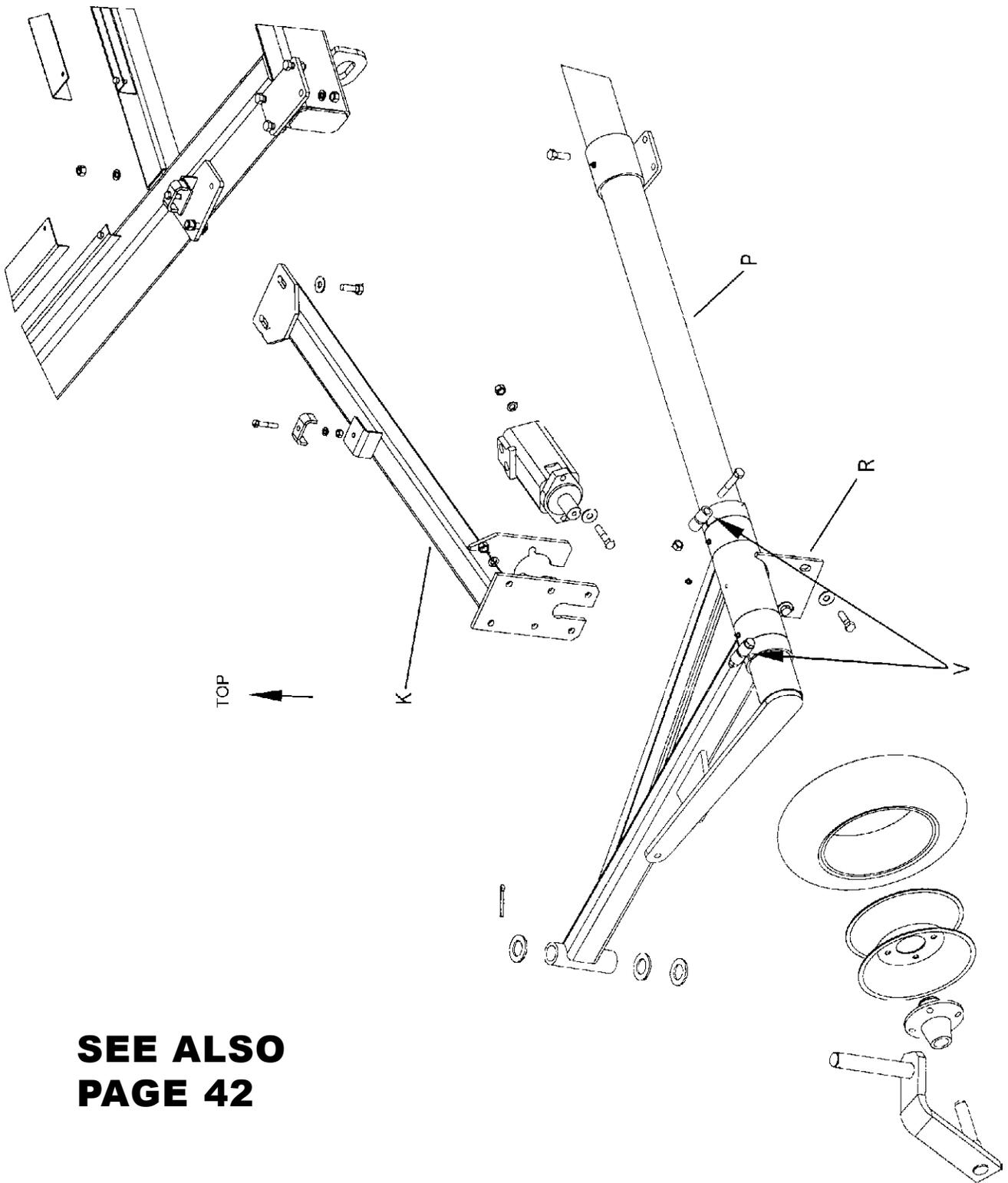
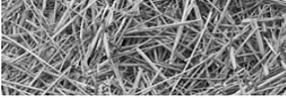


illustration 4



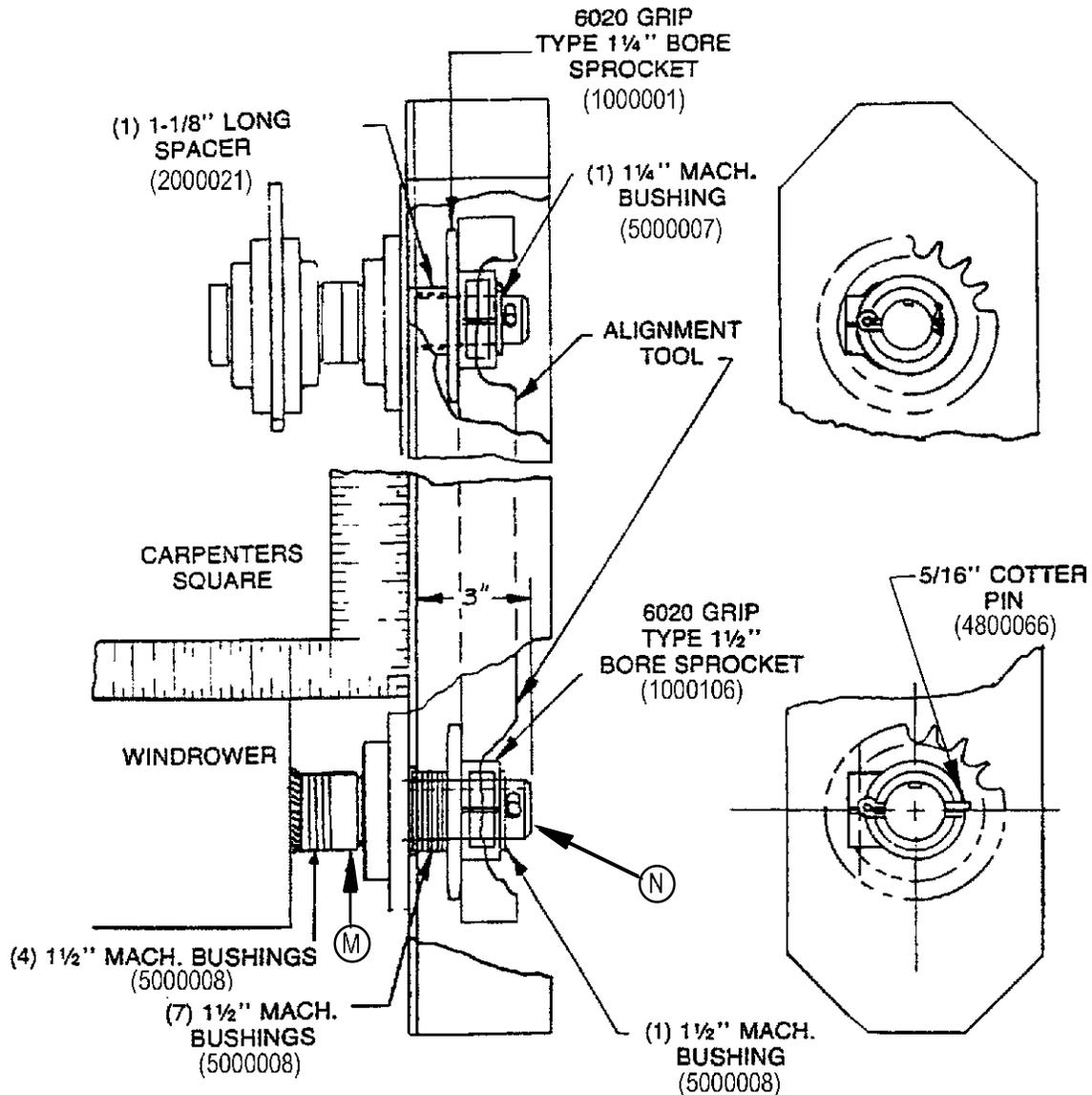
**SEE ALSO  
PAGE 42**



### STEP 5.

Remove chain case cover. Slide (4) 1-1/2" bushings, and bearing lock collar (M) over Windrower shaft (N) as shown in **illustrations 5**. Slide 1-1/2" bearing (pre-assembled on case) over Windrower shaft, leaving 3" of shaft extending through case, as shown in **illustration 5, 6**. Secure bearing to lock collar and tighten Allen screw. Remove motor/shaft assembly from shipping position. Slide 1-1/4" bearing lock collar over shaft assembly. Slide the shaft assembly through the 1-1/4" bearing on the chain case, leaving 3" of shaft extending through the case, as shown in **illustrations 5, 6**. Secure bearing to shaft with lock collar, and tighten Allen screws.

illustration 5



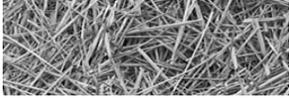
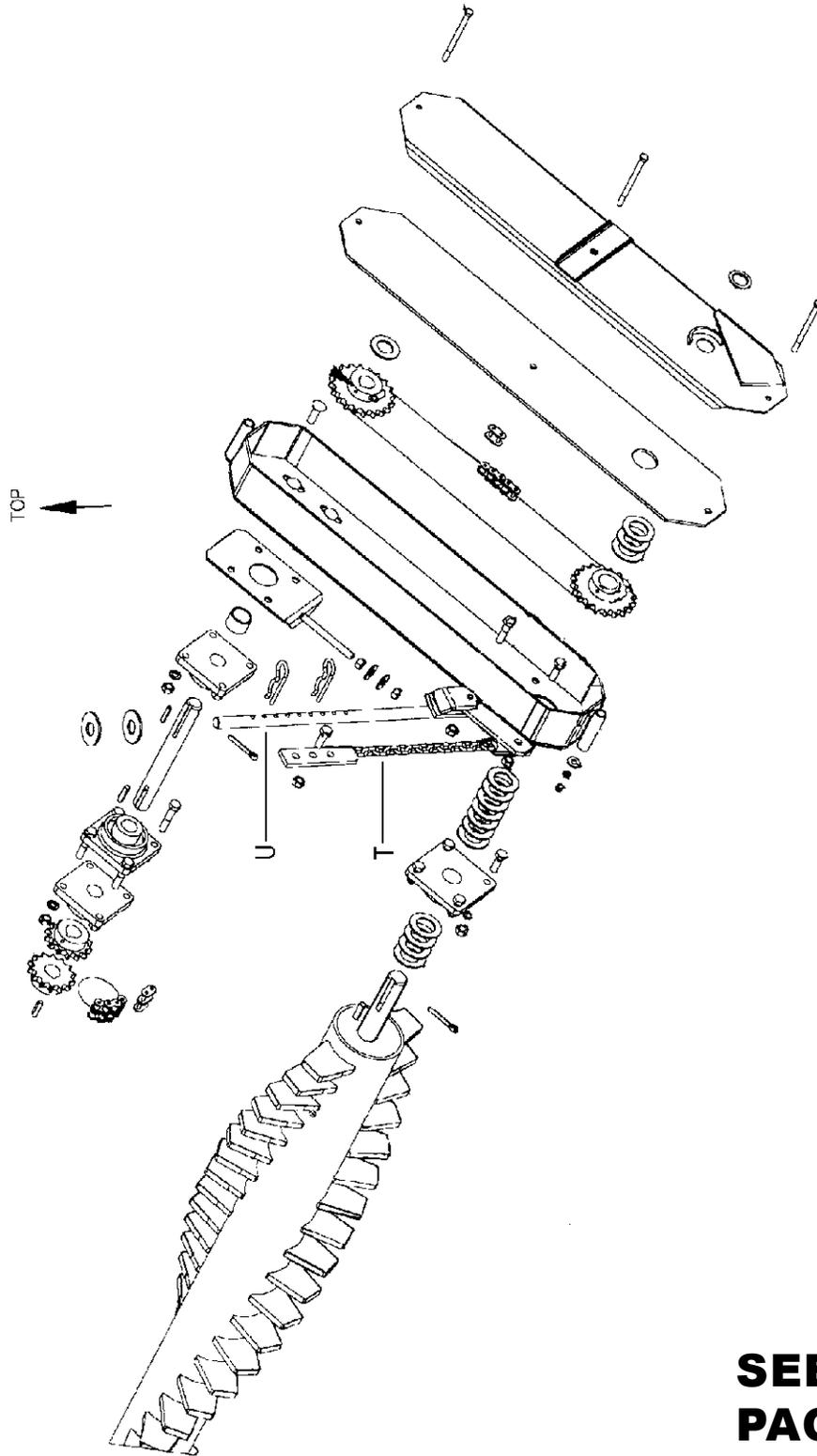
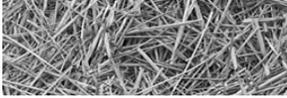


illustration 6



**SEE ALSO  
PAGE 58**



### STEP 6.

Mount the motor/shaft assembly (K)-as shown in **illustration 4** to the mainframe and the hanger support (R) using (4) 1/2x1-1/2 bolts, flat washers, lock washers, and nuts- **DO NOT tighten bolts at this time**. To get proper chain sprocket alignment,the Windrower must be in working position, and Windrower and drive chain case must be at 90 degrees to each other. This can be done by placing one edge of a carpenters square parallel to the chain case, and the other edge parallel to the Windrower as shown in **illustration 5**. The proper angle can be obtained by sliding hanger (R) in or out on the hanger tube (P). Once proper alignment has been obtained, slide two pipe clamps (V) as shown in **illustration 4**, against caster wheel hinge support and tighten bolts.

### STEP 7.

Mount 20 tooth 1-1/2" sprocket, 3/8" square key, 1-1/2" machine bushings, and cotter pin as shown in **illustration 5**. Tighten (2) allen screws in sprocket hub,locking sprocket to shaft , and locking square key in key slot. Mount the 1-1/8" long spacer, 20 tooth 1-1/4" sprocket, 1-1/4 machine bushings and cotter pin as shown in **illustration 6**. Check sprocket alignment by placing aligning tool ( found in the chain case) along one edge of each sprocket as illustrated. Tighten all bolts in hanger and support brackets.



**NOTE:** Sprocket and chain alignment are important-recheck alignment before installing chain.

### STEP 8.

Loosen (4) nuts holding flange bearing and adjuster to chain case. Install chain. Adjust to proper tension (chain should not sag between sprockets). Tighten bearing and adjuster nuts, install chain case cover, being careful not to over tighten the center bolt, causing the cover to bend- **illustration 6**.

Remove the plastic oil fill plug and fill with 90 weight oil to 1" below the bottom of the fill hole- reinstall fill plug. The drive chain tension can also be examined through the oil fill hole.

### STEP 9.

Attach chain linkage (T), and adjusting rod (U) as shown in **illustration 6**. Do not over tighten bolts at the hinge points-leave enough slack for them to swivel when Windrower is raised and lowered.

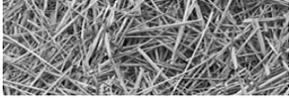
The multiple holes on the upper end of the chain linkage allow the windrower to be kept at the desired height when in the raised position.

### STEP 10.

Place 1/4 " hair pin in bottom hole of adjusting rod (U) as shown in **illustration 6**, under loop in caster wheel bracket. This carries wheel assembly when Windrower is in the raised position. Top hair pin is placed in hole to give the desired Windrower height while in operation.



**IMPORTANT:** Insert hair pins in direction shown on facing page, to avoid lift arm contact.



## 2.2 ADJUSTMENTS

Preliminary adjustments are made in the factory and during set up. Some adjusting may be necessary in field.

Machine was designed for a drawbar height of 16".

Depth of Windrower inner end nearest rock wheel is adjustable in 1" increments as shown at (H) on Page 12. of assembly instructions. Outer end is adjusted by changing upper hair pin in rod (U) Page 16, attached to chain drive case. Lower hair pin is designed to carry gauge wheel during transport.

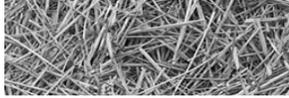
Chain adjustment on outer end of Windrower is provided to level Windrower in raised position (T) Page 16.

Adjustments on Windrower support (Y bracket) at front of main frame are described in step 3, Page 11, and shown at (F) on Page 12, of assembly instructions.

There are three (3) adjustments on rock plate: Page 44.

1. One at rear of rock wheel which allows minimum clearance between rear of rock plate and ring on rock wheel.
2. One at front of rock box to allow clearance between front of rock plate and octagon hub of rock wheel.
3. One near lower portion of rock plate to relieve pressure against carrier bracket plate shown at (G) on Page 13, on assembly instructions.

The clearance of the kicker rotor stripper rubber is important. Bolt holes in rubber are slotted so it may be adjusted up or down where it bolts to the rock box. Rubber should be within 1/8th" of the square bars on rotor. Rubber may be turned top side down when a new edge is required.



## Section 3: Operation

To insure long life and economical operation, we highly recommend the operator of the 3106 ROCK-EZE be thoroughly instructed in the maintenance and operation of the machine.

There is no substitute for a sound preventative maintenance program and a well trained operator.

Prior to starting the engine of the tractor, we recommend the operator make a visual inspection of the unit. This can be done as the lubrication is being carried out. Any items that are worn, broken, missing or needing adjustment must be serviced accordingly before operating the 3106 ROCK-EZE.

### 3.1 Pre-operation inspection



**WARNING:** Before inspecting the machine, use the normal shutdown procedure in section in section 3.2 of this manual.

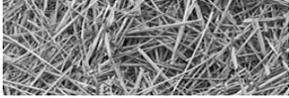
Check the following:

- Hydraulic components for leaks or damage.



**WARNING:** Hydraulic fluid escaping under pressure can be almost invisible and can have sufficient force to penetrate the skin. When searching for suspected leaks, use a piece of wood or cardboard rather than your hands. If injured, seek medical attention immediately to prevent serious infection or reaction.

- Lug Nuts for tightness.
- Condition of tire rims.
- Tires for proper air pressure.
- Installation and condition of flails.
- Chains for proper tension, and condition.
- Installation of slow moving vehicle (SMV) sign if required.
- Condition of decals.
- Installation and condition of shields.
- Belts for proper tension, and condition.



## 3.2 Normal shutdown procedure



**WARNING:** For your safety and the safety of others, you must use the following normal shutdown procedure before leaving the tractor controls unattended for any reason, including servicing, cleaning, or inspecting the 3106 ROCK-EZE. A variation of the following procedure may be used if so instructed within this manual or your tractor manual or if an extreme emergency requires it.

To shutdown the machine, perform the following steps:

1. Lower machine to ground level or lock in raised position.
2. Place transmission in park or set park brake.
3. Relieve all pressure in the hydraulic system.
4. Shut off engine and remove key.
5. Wait for all movement to stop.

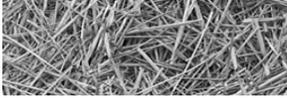
## 3.3 3106 ROCK-EZE hydraulic system

### 3.3.1 Using the 3106 ROCK-EZE with a tractor that has triple hydraulic outlets

To operate machine with triple outlets, Hoses A and B regulate rock wheel and windrower height. Hoses C and D are used when dumping the rock box. Try to use them only when you're ready to dump the box. Hoses E and F are hooked up to the windrower rotor and kicker rotor motors. Set the tractor controls so windrower rotor will kick the rocks ahead of the machine. See Illustration on the next page for more information.

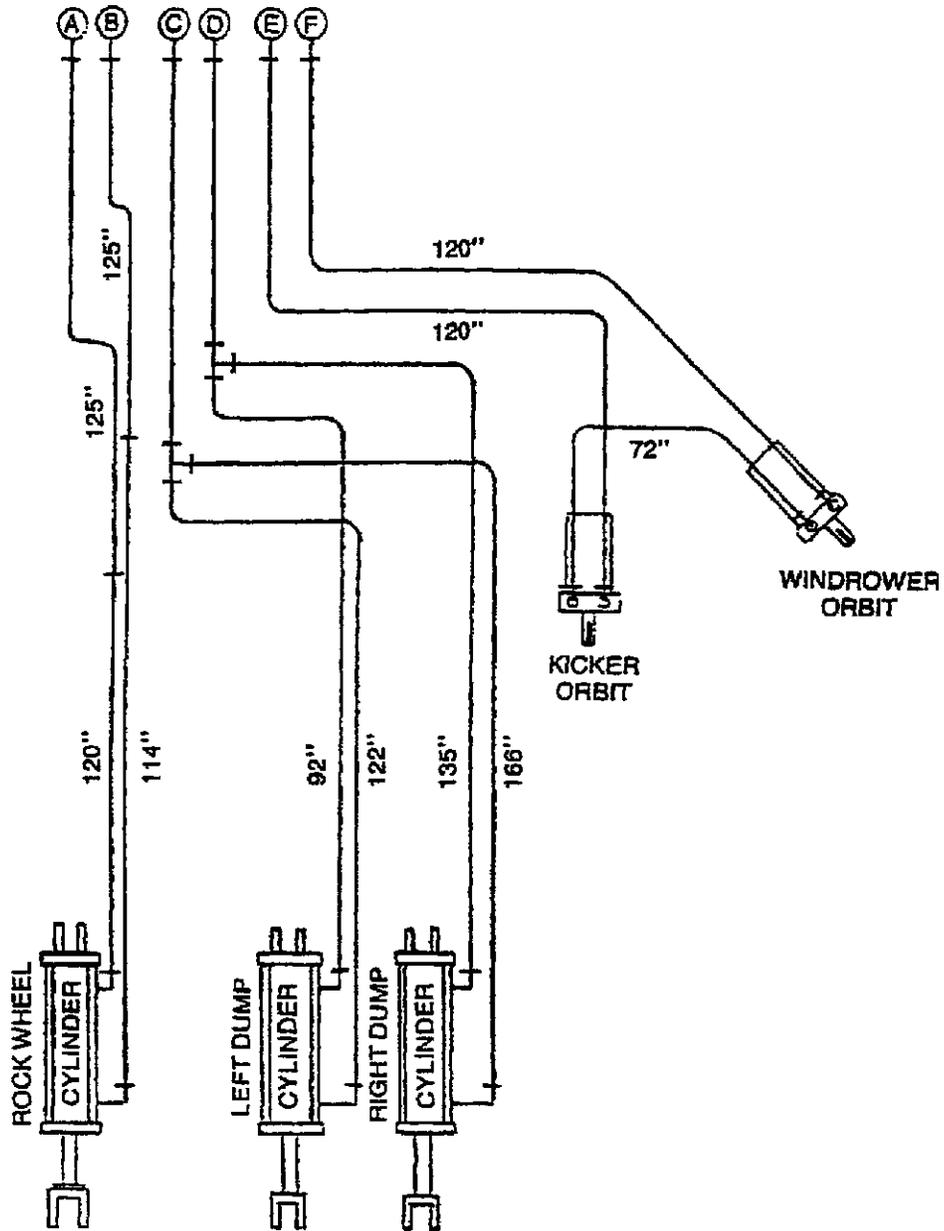
### 3.3.2 Hose Torquing Procedure

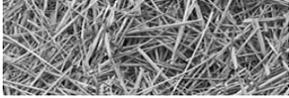
1. Visually inspect the two components that are being assembled for nicks, dirt, rust, or other foreign particles. Do not use any components that are questionable.
2. Lightly oil the components on all connecting surfaces, assemble the components, and finger tighten the fittings.
3. When tightening JIC fittings, tighten 1 flat (approx. 60°) or 40 ft\*lbs. after the connection is finger tight. Always use a backup wrench on the stem hex nut of the fitting to keep the hose assembly from twisting during the torquing process.
4. When torquing O-ring fittings, tighten 1-1/2 flats (approx. 90°) or 38 ft\*lbs. after the connection is finger tight.



**HI-LIFT HYDRAULIC SYSTEM USING TRIPLE OUTLETS FROM TRACTOR (STANDARD EQUIPMENT)**

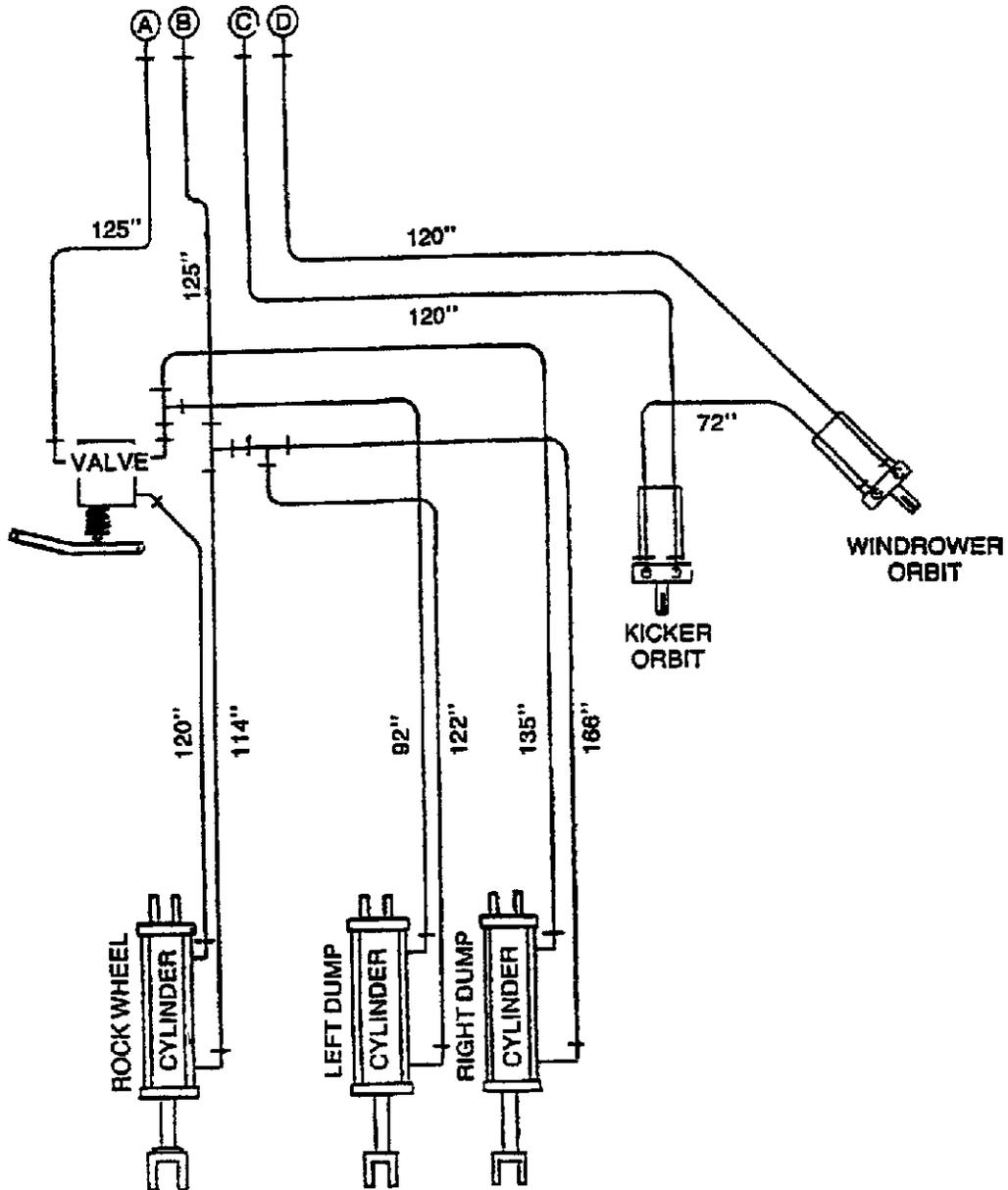
Illustration 3.1

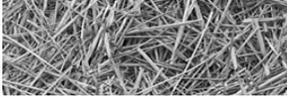




# HI-LIFT HYDRAULIC SYSTEM USING DUAL OUTLETS FROM TRACTOR (OPTIONAL EQUIPMENT)

illustration 3.2





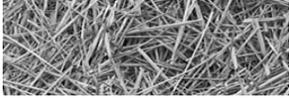
### 3.4 Operating Tips

- After machine is completely assembled as per assembly instructions, machine should be hooked to tractor drawbar. Jack should be raised and rotated to horizontal position.
- When lowering Windrower and rock wheel, hold control until cylinder has completely contracted. This will allow wheel to float over uneven terrain.
- When in operation, it is possible for a rock to lodge between rock wheel and rock plate. If this occurs, it can usually be corrected by putting tractor in reverse and backing machine up a few feet.
- Over filling the rock box may cause the following problems:
  1. Rocks may lodge in kicker rotor. This may be corrected by reversing hydraulic control on the tractor causing rotor to reverse and free the rock.
  2. Rocks falling out near the kicker roller when unloading. The rocks may lodge between the rock wheel frame and main frame causing binding problems.



**Note:** The rock box is full when the rocks are level with the bottom of the screen material in the front of the rock box. The illustration on page 3 shows the position at which the rock box is filled to approximately 1 cubic yard.

- Excessive ground speed does not allow Windrower rotor to gather stones in heavy rock areas. Also, rock box will fill toward front if rock wheel rotates too fast.
- Rotors should not be allowed to run in raised position when transporting machine long distances, such as to and from rock piles. This will prolong machine life and also hydraulic system.
- Most moving parts should be greased daily with the exception of the two Windrower rotor bearings which run in dirt constantly. These should be greased several times per day to prolong bearing life. Outer bearing has zerk on top of housing, Inner bearing is greased through tube extending to zerk on front of mainframe. Chain drive case should be checked periodically.



## 3.5 Storage

### 3.5.1 Preparing the machine for storage:



**WARNING:** When preparing machine for storage, use normal shutdown procedure (Section 3.2)

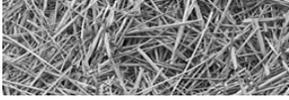
**To prepare the 3106 ROCK-EZE for storage, perform the following steps:**

1. Clean all mud, dirt, grease and other foreign material from the exterior of the machine. Wash the complete machine. If washing the 3106 ROCK-EZE with a high-pressure washer, keep the nozzle away from the sealed bearings. Repaint places where bare metal is exposed - this will inhibit rusting.
2. Place the jackstand in the down and in locked position. Block the rear axle up taking the weight off the tires, but do not deflate tires. If possible, store the machine in a dry, protected place. If it is necessary to store the machine outside, cover it with waterproof canvas, plastic, or other suitable protective material.
3. Coat exposed hydraulic cylinder rod with grease. Oil chains. Lubricate thoroughly according to lubrication instructions. Repack wheel bearings.
4. Check the machine for any worn or broken parts.
5. By ordering parts now, you will avoid delays when it is time to remove the machine from storage. When ordering parts always specify machine serial number and the part number of the replacement part. Part numbers can be found in the parts section of this manual.

### 3.5.2 Removing the machine from storage

**To remove the 3106 ROCK-EZE from storage, perform the following steps:**

1. Remove all protective coverings.
2. Remove blocking from under the machine
3. Lubricate machine in accordance with lubrication instructions found in this manual.
4. Follow pre-starting inspection instructions.



## Section 4: General maintenance



**NOTE:** Before performing any service or maintenance on your r 3106 ROCK-EZE, review the safety guidelines for performing service and maintenance in section 1.3 “Safety review” under the heading “**WHEN PERFORMING SERVICE AND MAINTENANCE**”.

### 4.1 Lubrication

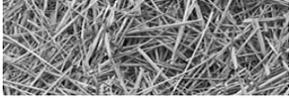
**LUBRICATION INSTRUCTIONS:** The operator should make a check of all grease fittings in the unit before beginning to operate it so as to become familiar with their location and the correct service schedule.

Most moving parts should be greased daily with the exception of the two Windrower rotor bearings which run in dirt constantly. These should be greased several times per day to prolong bearing life. Outer bearing has zerk on top of housing, Inner bearing is greased through tube extending to zerk on front of mainframe. Chain drive case should be checked periodically

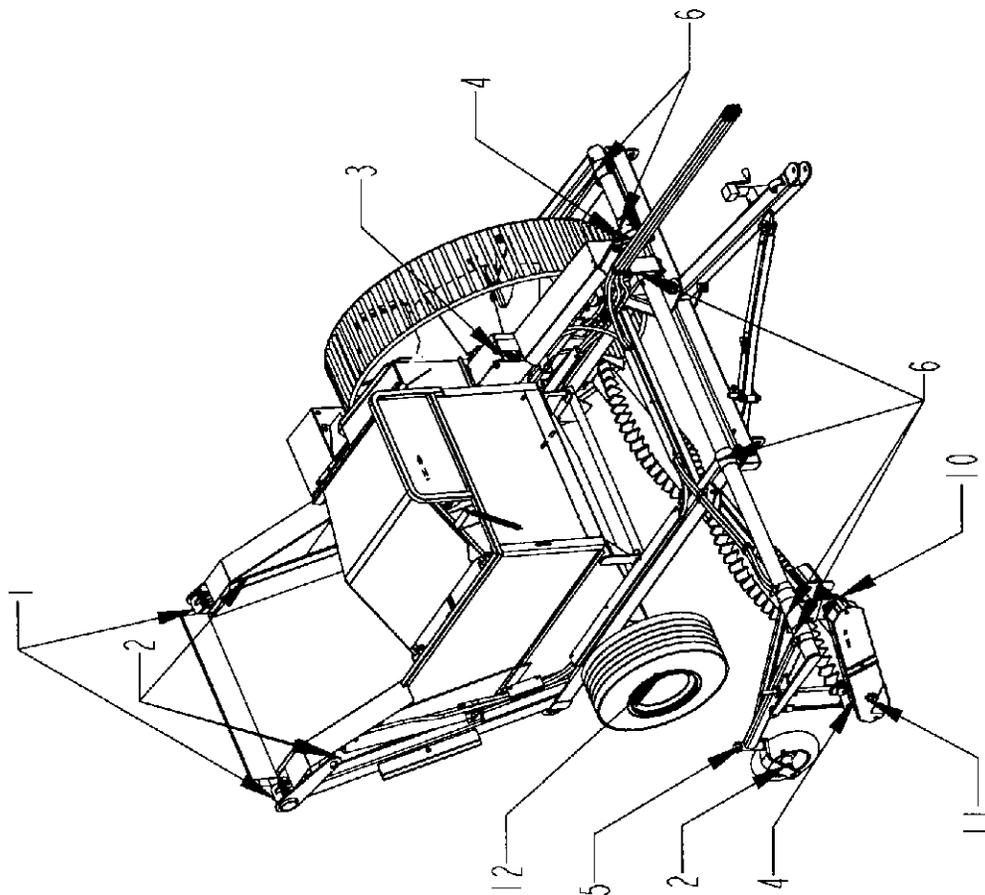
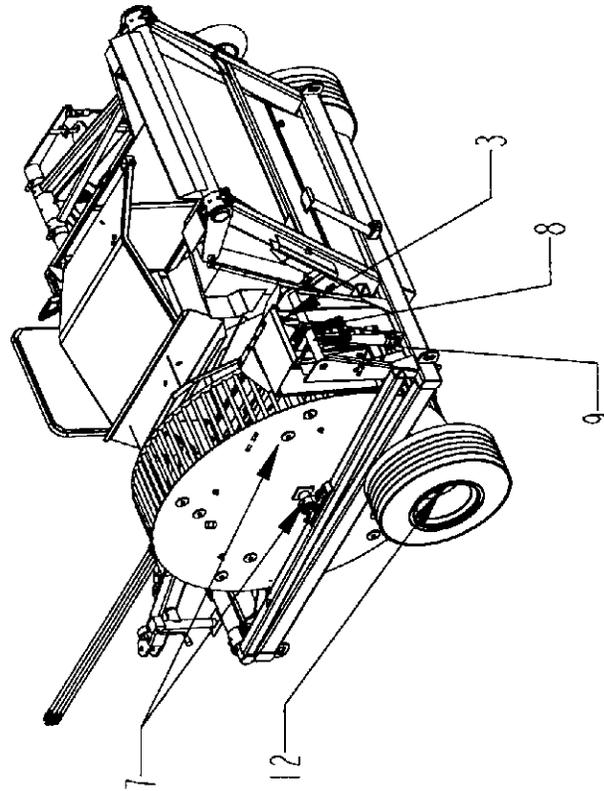


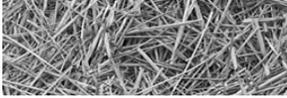
**WARNING:** Use normal shutdown procedure (Section 3.2) before lubricating machine.

Use only a high quality, multi-purpose grease when lubricating the unit. Make sure all fittings and the nozzle of the grease applicator are clean before applying the grease. If any grease fittings are missing, replace them immediately.



# LUBRICATION POINTS OF 3106 ROCK-EZE

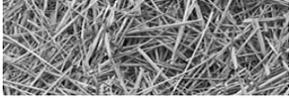




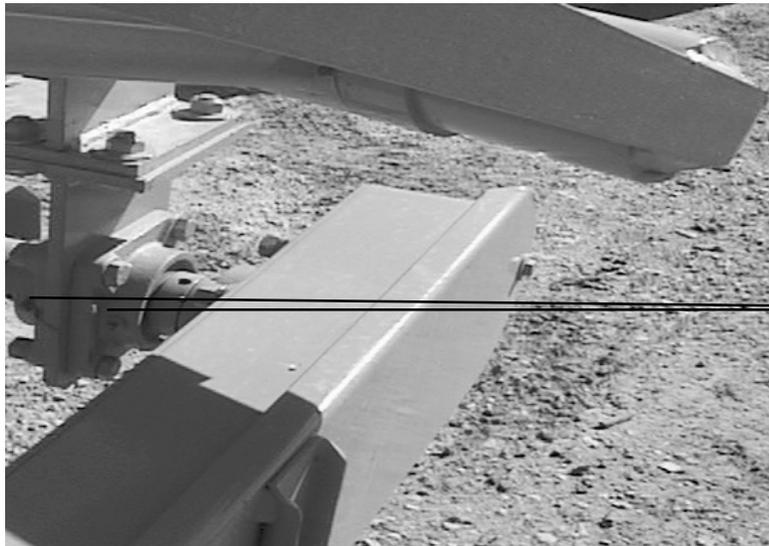
## LUBRICATION POINTS OF 3106 ROCK-EZE

ITEM	LOCATION	QTY.	TYPE LUBE	HOW OFTEN
1	ROCKBOX PIVOT PADS	2	GREASE	8 HRS.
2	ROCKBOX UPPER CYLINDER PINS	2	GREASE	8 HRS.
3	KICKER ROLLER BEARINGS (Raising the rockbox provides easier access.)	2	GREASE	8 HRS.
4	WINDROWER BEARINGS (remote line is provided for inner bearing)	2	GREASE	2 HRS.
5	CASTER WHEEL PIVOT	1	GREASE	8 HRS.
6	WINDROWER AND ROCKWHEEL LIFT	7	GREASE	8 HRS.
7	ROCKWHEEL BEARINGS (raising the rockbox provides easier access)	2	GREASE	8 HRS.
8	ROCKWHEEL LIFT	1	GREASE	8 HRS.
9	ROCKWHEEL LIFT UPPER CYLINDER PIN	1	GREASE	8 HRS.
10	WINDROWER DRIVE BEARINGS	2	GREASE	8 HRS.
11	WINDROWER DRIVE CHAIN CASE (level must be within 1" of hole in working position) (change bi-annually)	1	90 WEIGHT GREASE	CHECK WEEKLY
12	WHEEL BEARINGS	3	WHEEL BEARING GREASE	REPACK ANNUALLY

**BE SURE TO INSTALL ROCKBOX CYLINDER STOPS WHEN WORKING ON MACHINE WITH ROCKBOX RAISED. MACHINE MUST BE HITCHED TO TRACTOR OR SAFETY STAND INSTALLED ON FIRM LEVEL GROUND.**

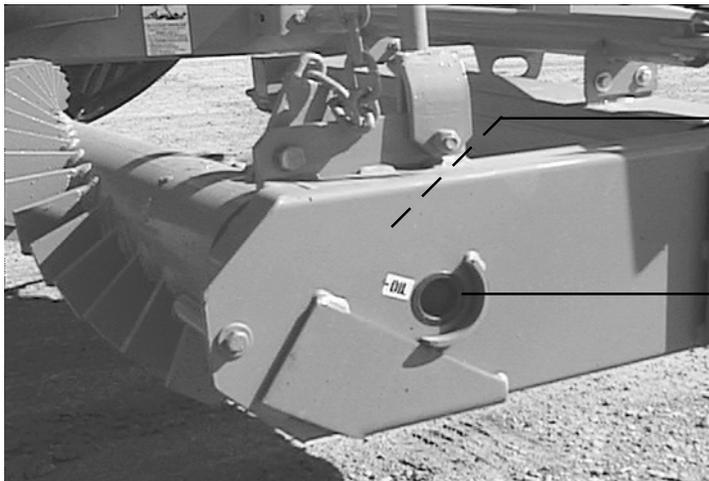


Windrower drive shaft zerks



windrower drive shaft  
lubrication zerks

Chain case oil cap and  
outer windrower rotor  
lubrication zerk



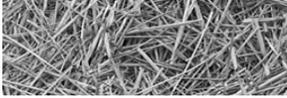
outer windrower rotor  
lubrication zerk

chain case oil cap

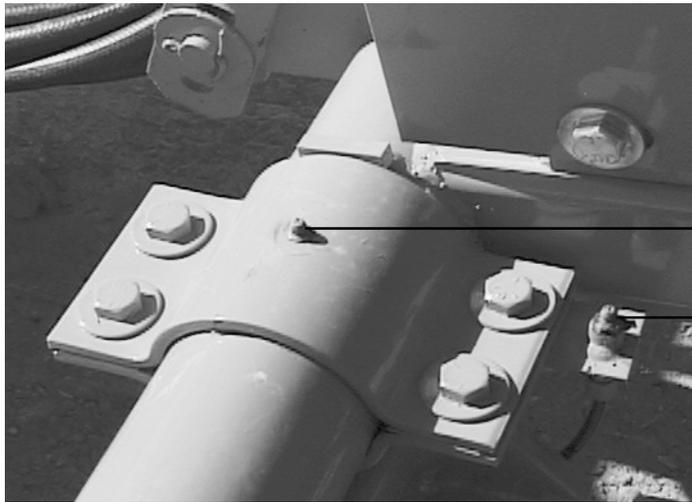
Rock wheel bearing  
lubrication zerk 1 of 2



lubrication zerk



Rock wheel frame pivot and inner windrower rotor lubrication zerks



rock wheel frame pivot zerk 1 of 2

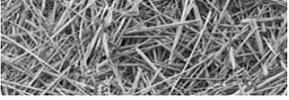
inner windrower rotor lubrication zerk - lubricate several times daily

Lubrication zerks for the kicker rotor



kicker rotor zerks (2), 2nd zerk is located near rear bearing

lubrication zerk

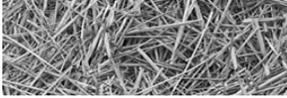


## **4.2 Axle, wheels, tires**

Repack wheel bearings annually.

## **4.3 General appearance**

Clean all mud, dirt, grease and other foreign material from the exterior of the machine. Cut all twine off from around the rotor and beater. Wash the entire machine. If washing the 3106 ROCK-EZE with a high pressure washer, keep the nozzle away from the sealed bearings. Repaint places where bare metal is exposed.



## Appendix A: Warranty

DuraTech Industries International Inc. Warrants to the original purchaser for one year from purchase date that this product will be free from defects in material and workmanship when used as intended and under normal maintenance and operating conditions. This warranty is limited to the replacement of any defective part or parts returned to our factory in Jamestown ND, within thirty (30) days of failure.

This warranty shall become void if in DuraTech Industries International, Inc.'s., judgment the machine has been subject to misuse, negligence, alterations, damaged by accident or lack of required normal maintenance, or if the product has been used for a purpose for which it was not designed.

All claims for warranty must be made through the dealer which originally sold the product and all warranty adjustments must be made through same.

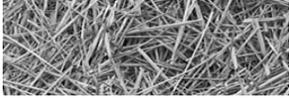
This warranty does not apply to tires or bearings or any other trade accessories not manufactured by DuraTech Industries International Inc. Buyer must rely solely on the existing warranty, if any, of these respective manufacturers.

DuraTech Industries International Inc., shall **not** be held liable for damages of any kind, direct, contingent, or consequential to property under this warranty. DuraTech Industries International Inc., cannot be held liable for any damages resulting from causes beyond its control. DuraTech Industries International Inc., shall not be held liable under this warranty for loss of crops, or rental costs or any expense or loss for labor or supplies.

DuraTech Industries International Inc., reserves the right to make changes in material and/or designs of this product at any time without notice.

This warranty is void if DuraTech Industries International Inc. does not receive a valid warranty registration card at its office in Jamestown, ND, within 10 days from date of original purchase.

All other warranties made with respect to this product, either expressed or implied, are hereby disclaimed by DuraTech Industries International Inc.



# Appendix B: General Specifications

## WEIGHT

Total ..... 4,600 lbs.  
 Tongue (in field mode, windrower and rock wheel up) ..... 460 lbs.

## SHIPPING DIMENSIONS (with Rock Windrower removed)

Truck Freight Width (with left-side tire, wheel, hub and spindle removed) ..... 7' 10"  
 Tow Width ..... 9'  
 Length ..... 15' 5"  
 Height ..... 7' 7"

## TRANSPORT & FIELD DIMENSIONS

Width ..... 13'  
 Length ..... 15' 5"  
 Height ..... 7' 7"  
 Dumping Height ..... 7"  
 Overhead Clearance Required to Dump ..... 14' 4"

## CHASSIS FEATURES

Towing Arrangement ..... Clevis Type Hitch  
 Tires ..... 2 (two) 11L x 16  
 Wheels ..... 10 x 16 - 8 Bolt, Drop Center  
 Bearings ..... Tapered Roller

## ROCK PICKER MECHANISM

### Windrower

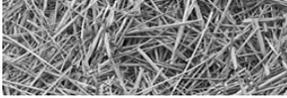
Length ..... 10'  
 Finger Length ..... 3"  
 Outside Diameter ..... 11"  
 Drive ..... Hydraulic Motor via. #60 Chain Drop Case  
 Lift ..... 1 (one) 2" x 8" Double Acting Hydraulic Cylinder  
 ..... that is shared with Rock Wheel Lift

## ROCK WHEEL

Outside Diameter ..... 6'  
 Width ..... 14-3/4"  
 Bar Spacing ..... 1-7/8"  
 Number of Rock Paddles ..... 5, Spring Cushioned  
 Drive ..... Ground Driven  
 Lift ..... 1 (one) 2" x 8" Double Acting Hydraulic Cylinder  
 ..... that is shared with Rock Wheel Lift

## HOPPER

Dimensions ..... 44" x 60"  
 Capacity ..... 1 (one) cu. yd of rocks  
 Dump Height ..... 84"  
 Lift ..... 2 (two) 3" x 24" Double Acting Hydraulic Cylinders



## GENERAL SPECIFICATIONS CONTINUED

### ROCK KICKER

Type ..... Rotating, Fluted Roller  
 Fluted Roller Dimensions ..... 6-7/8" x 39"  
 Fluted Roller Drive ..... Hydraulic Motor

### OPTIONAL EQUIPMENT

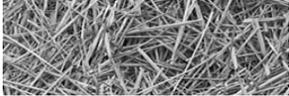
- **DRAG PLATE** - prevents rocks from being kicked into previously picked swath.
- **HOPPER DUMP VALVE KIT** - for use with tractors that have only 2 (two) hydraulic remote valve outlets, pull rope activated.

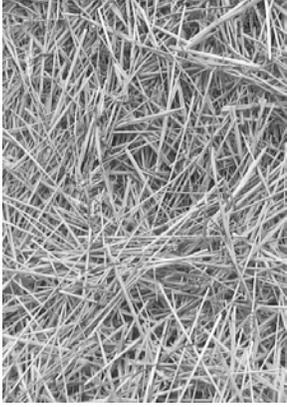
## Appendix C: Required for operation

### TRACTOR

Minimum PTO Horsepower Required ..... 80  
 Minimum Hydraulic Output ..... 12 G.P.M. X 1500 P.S.I.  
 Hydraulic Remote Controls ..... 3 (three) double acting valves with quick coupler outlets\*

\* - The ROCK-EZE comes standard with hoses to accommodate triple outlets from the tractor. Optional kits are available for tractor with double outlets.



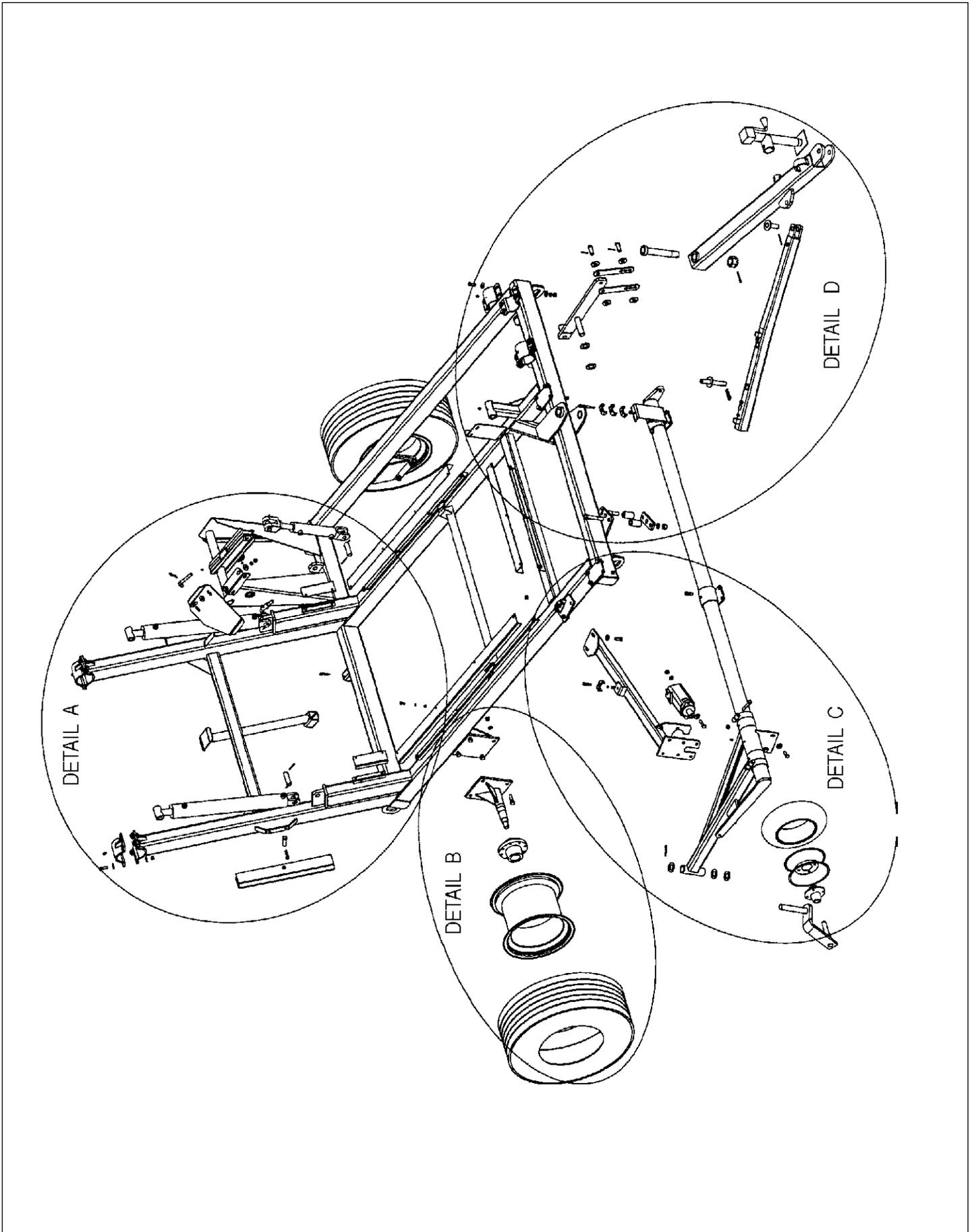


# **3106<sup>TM</sup>** **ROCK-EZE<sup>TM</sup>**

**Serial Number AJ330106 & Up**

## **Part 2:** **Parts Reference**

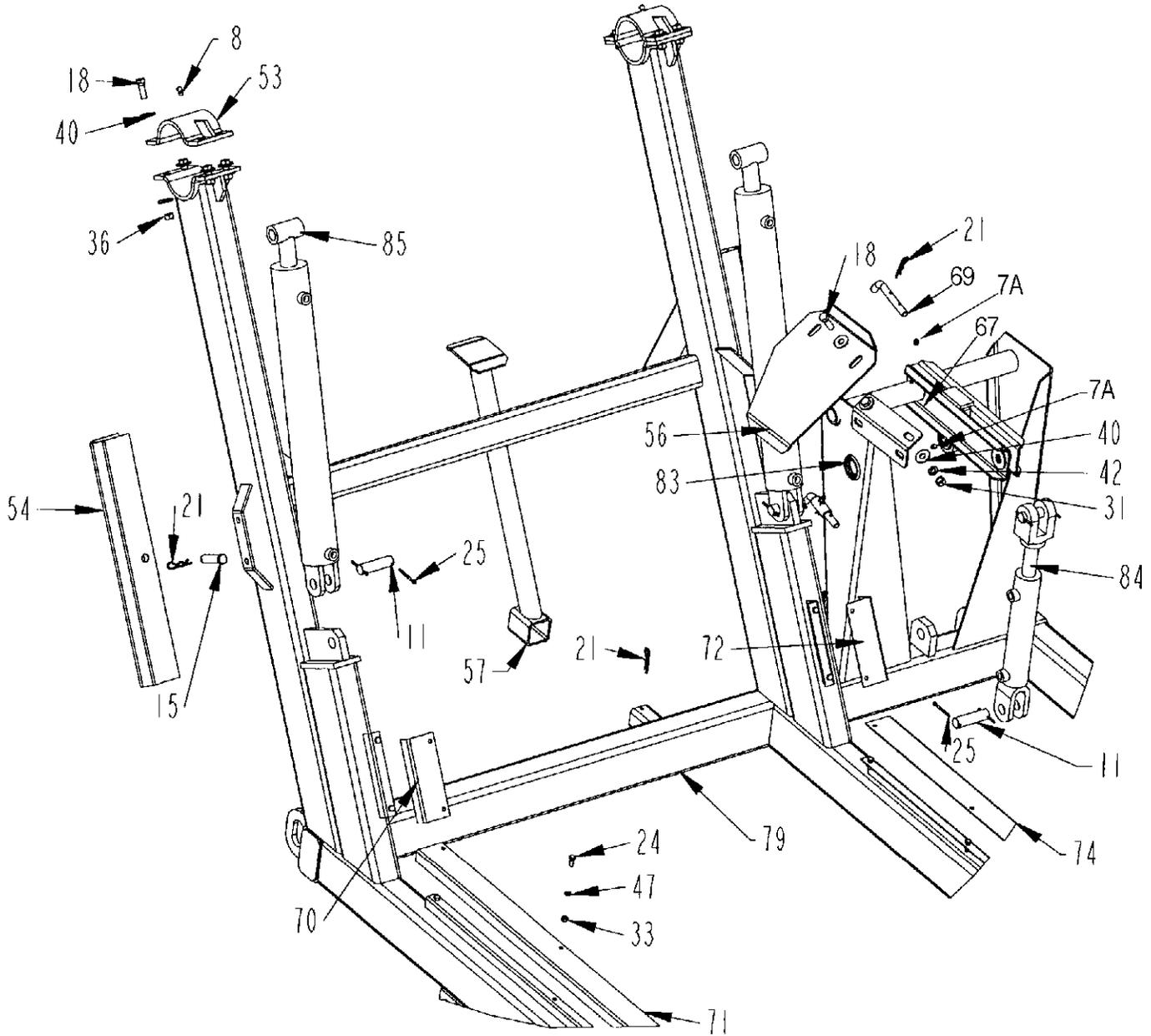
MAIN FRAME ASSEMBLY SERIAL NO. AJ330106 THRU



**MAIN FRAME ASSEMBLY SERIAL NO. AJ330106 THRU**

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	2600006	2	TIRE\11LX16X8\PLY	47	5000022	15	WASH\LOCK\5/16
2	2600007		TIRE\4.80X8	48	5000119	2	WASH\FLAT\3/4\PLAIN
3	2600607	2	WHL\8-BOLT\16X10	49	5800603	1	JACK 10-5RP
4	2600609		WHL\4-BOLT\8	50	5800604	1	WELD ON BELL
2 & 4	2600805	1	WHL\ASSY\4-BOLT\4X8\SMOOTH TIRE	51	6600030	2	LINK\LIFT
5	2900026	2	HUB\WHEEL HUB(811)\COMP	52	6600072	1	LIFT\ARM\W\NDRWR
	<b>SEE WHEELS AND HUBS FOR BREAKDOWN</b>			53	6600075	2	CAP\HINGE\ROCKBOX
6	2900050	1	4-BOLT HUB COMP. W\BRGS	54	6600083	2	CLMP\SAFE\BUCKET\3106
7	3800043	3	FTG\LUB\1/8MPXZRK\SHORT	55	6600103	2	CAP\PIVOT\FRM\RCK\WHL
7A	3800082	2	FTG\LUB\1/4NFXZRK\ADPT	56	6600108	1	SHLD\ROCK\ROCKEZE
8	3800044	2	FTG\LUB\1/8MPXZRK\90D	57	6600109	1	STD\LIFT\HIGH\3106
9	3800094	5	FTG\LUB\5/16BARBXZRK\ADPT	58	6600126	1	PIVOT\CASTER\3106
10	3900007	1	MTR\HYD\14.9\2000\1WAY	59	6600137	2	SPINDLE\3106
11	4100030	4	PIN\1X3 1/2\HYD. CYL.	60	6600175	1	HITCH\3106
12	4700777	5	CLMP\HOSE\1/2	61	6600178	1	FLAT\HITCH\ADJ
13	4800010	8	BOLT\HEX\5/8X2	62	6600179	1	BRKT\CASTER\WHL
14	4800043	1	PIN\COT\1/4X2-1/2	63	6600180	2	HINGE\SPPT\RAKE
15	4800046	2	PIN\CLEVIS\3/4X3	64	6600181	2	BRKT\CLMP\LIFT\RAKE
16	4800056	1	PIN\HAIR\3/16(#3)	65	6600184	1	SPPT\OUTER\RAKE\LIFT
17	4800068	2	BOLT\HEX\1/2X3	66	6600187	1	SPPT\BRKT\W\NDRWR
18	4800082	30	BOLT\HEX\1/2X1-1/2	67	6600191	1	LIFT\WHEEL\ARM
19	4800089	1	BOLT\HEX\3/8X4	68	6600192	1	PIN\HITCH\SWING\3106
20	4800103	1	PIN\COT\1/4X2	69	6600194	2	STOP\WHL\FRM
21	4800107	5	PIN\HAIR\1/8(#9)	70	6600195	1	CVR\HOSE\8"2HOSE
22	4800123	2	PIN\COT\1/8X1-1/2	71	6600196	1	CVR\HOSE\58"2HOSE
23	4800146	2	BOLT\HEX\3/8X2	72	6600197	1	CVR\HOSE\8"4HOSE
24	4800147	15	BOLT\HEX\5/16X7/8	73	6600198	1	CVR\HOSE\30"4HOSE
25	4800157	9	PIN\COT\3/16X2	74	6600199	1	CVR\HOSE\48"4HOSE
26	4800173	2	BOLT\HEX\3/4X4-5/8	75	6600200	1	BRKT\HOSE\MNT
27	4800178	2	BOLT\HEX\1/2X1-3/4	76	6600201	1	PIN\HITCH\STOP
28	4800251	2	BOLT\HEX\1/2X2-1/4\NC	77	6600202	1	PIN\HITCH\STOP
29	4800527	2	PIN\CLEVIS\3/4X2	78	6600206	1	SPPT\TUBE\RAKE
30	4800534	1	PIN\COT\3/16X2-1/2	79	6600207	1	FRM\MAIN\3106
31	4900001	14	NUT\HEX\1/2\NC	80	6600208	1	HITCH\ADJ\ARM
32	4900002	2	NUT\HEX\3/8\NC	81	6600209	2	TUBE\HITCH\ADJ
33	4900003	15	NUT\HEX\5/16\NC	82	6600211	1	FRM\MAIN\ASSY\3106
34	4900004	2	NUT\HEX\3/4\NC	83	7500360	1	GROMMET 1.75ID X.25MT
35	4900005	8	NUT\HEX\5/8\NC	84	4100226		CYL\HYD\2X8\1-1/4RD\WLDWELDED#8 ORB
36	4900014	22	NUT\TPLCK\1/2\NC		4100228		SEAL\KIT\2X8\1-1/4RD\CTD for 4100226
37	4900030	1	NUT\NYLCK\3/8\NC	85	4100225		CYL\HYD\3X24\1-1/2RD\WLDWELDED#8 ORB
38	4900045	1	NUT\SLOT\1-1/2\NC		4100227		SEAL\KIT\3X24\1-1/2RD\CTD for 4100225
39	5000003	8	WASH\LOCK\5/8				
40	5000004	43	WASH\FLAT\1/2				
41	5000005	4	WASH\FLAT\3/4				
42	5000006	12	WASH\LOCK\1/2				
43	5000007	5	WASH\1-1/4\MACH\BUSH				
44	5000012	2	WASH\LOCK\3/4				
45	5000014	2	WASH\FLAT\1				
46	5000019	2	WASH\LOCK\3/8				

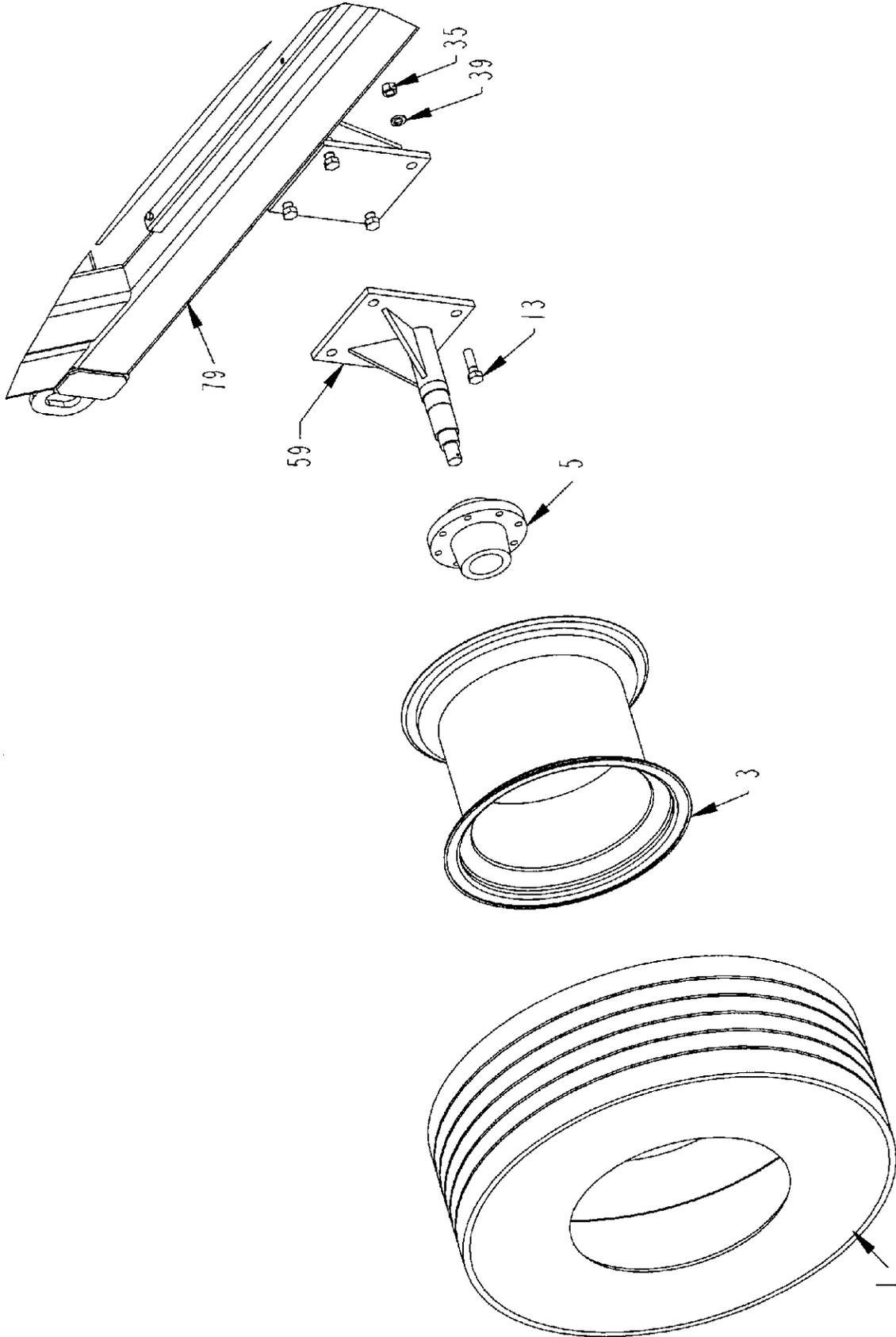
**MAIN FRAME ASSEMBLY - DETAIL A**  
**SERIAL NO. AJ330106 THRU**



**MAIN FRAME ASSEMBLY - DETAIL A  
SERIAL NO. AJ330106 THRU**

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	2600006	2	TIRE\11LX16X8\PLY	47	5000022	15	WASH\LOCK\5/16
2	2600007		TIRE\4.80X8	48	5000119	2	WASH\FLAT\3/4\PLAIN
3	2600607	2	WHL\8-BOLT\16X10	49	5800603	1	JACK 10-5RP
4	2600609		WHL\4-BOLT\8	50	5800604	1	WELD ON BELL
2 & 4	2600805	1	WHL\ASSY\4-BOLT\4X8\SMOOTH TIRE	51	6600030	2	LINKLIFT
5	2900026	2	HUB\WHEEL HUB(811)\COMP	52	6600072	1	LIFT\ARM\W\NDRWR
	<b>SEE WHEELS AND HUBS FOR BREAKDOWN</b>			53	6600075	2	CAP\HNGE\ROCKBOX
6	2900050	1	4-BOLT HUB COMP. W\BRGS	54	6600083	2	CLMP\SAFE\BUCKET\3106
7	3800043	3	FTG\LUB\1/8MPXZRK\SHORT	55	6600103	2	CAP\PIVOT\FRM\RCK\WHL
7A	3800082	2	FTG\LUB\1/4NFXZRK\ADPT	56	6600108	1	SHLD\ROCK\ROCKEZE
8	3800044	2	FTG\LUB\1/8MPXZRK\90D	57	6600109	1	STD\LIFT\HIGH\3106
9	3800094	5	FTG\LUB\5/16BARBXZRK\ADPT	58	6600126	1	PIVOT\CASTER\3106
10	3900007	1	MTR\HYD\14.9\2000\1WAY	59	6600137	2	SPINDLE\3106
11	4100030	4	PIN\1X3 1/2\HYD. CYL.	60	6600175	1	HITCH\3106
12	4700777	5	CLMP\HOSE\1/2	61	6600178	1	FLAT\HITCH\ADJ
13	4800010	8	BOLT\HEX\5/8X2	62	6600179	1	BRKT\CASTER\WHL
14	4800043	1	PIN\COT\1/4X2-1/2	63	6600180	2	HNGE\SPPT\RAKE
15	4800046	2	PIN\CLEVIS\3/4X3	64	6600181	2	BRKT\CLMP\LIFT\RAKE
16	4800056	1	PIN\HAIR\3/16(#3)	65	6600184	1	SPPT\OUTER\RAKE\LIFT
17	4800068	2	BOLT\HEX\1/2X3	66	6600187	1	SPPT\BRKT\W\NDRWR
18	4800082	30	BOLT\HEX\1/2X1-1/2	67	6600191	1	LIFT\WHEEL\ARM
19	4800089	1	BOLT\HEX\3/8X4	68	6600192	1	PIN\HITCH\SWING\3106
20	4800103	1	PIN\COT\1/4X2	69	6600194	2	STOP\WHL\FRM
21	4800107	5	PIN\HAIR\1/8(#9)	70	6600195	1	CVR\HOSE\8"2\HOSE
22	4800123	2	PIN\COT\1/8X1-1/2	71	6600196	1	CVR\HOSE\58"2\HOSE
23	4800146	2	BOLT\HEX\3/8X2	72	6600197	1	CVR\HOSE\8"4\HOSE
24	4800147	15	BOLT\HEX\5/16X7/8	73	6600198	1	CVR\HOSE\30"4\HOSE
25	4800157	9	PIN\COT\3/16X2	74	6600199	1	CVR\HOSE\48"4\HOSE
26	4800173	2	BOLT\HEX\3/4X4-5/8	75	6600200	1	BRKT\HOSE\MNT
27	4800178	2	BOLT\HEX\1/2X1-3/4	76	6600201	1	PIN\HITCH\STOP
28	4800251	2	BOLT\HEX\1/2X2-1/4\NC	77	6600202	1	PIN\HITCH\STOP
29	4800527	2	PIN\CLEVIS\3/4X2	78	6600206	1	SPPT\TUBE\RAKE
30	4800534	1	PIN\COT\3/16X2-1/2	79	6600207	1	FRM\MAIN\3106
31	4900001	14	NUT\HEX\1/2\NC	80	6600208	1	HITCH\ADJ\ARM
32	4900002	2	NUT\HEX\3/8\NC	81	6600209	2	TUBE\HITCH\ADJ
33	4900003	15	NUT\HEX\5/16\NC	82	6600211	1	FRM\MAIN\ASSY\3106
34	4900004	2	NUT\HEX\3/4\NC	83	7500360	1	GROMMET 1.75ID X.25MT
35	4900005	8	NUT\HEX\5/8\NC	84	4100226		CYL\HYD\2X8\1-1/4RD\WLD\WELD\#8 ORB
36	4900014	22	NUT\TPLCK\1/2\NC		4100228		SEAL\KIT\2X8\1-1/4RD\CTD for 4100226
37	4900030	1	NUT\NYLCK\3/8\NC	85	4100225		CYL\HYD\3X24\1-1/2RD\WLD\WELDED\#8 ORB
38	4900045	1	NUT\SLOT\1-1/2\NC		4100227		SEAL\KIT\3X24\1-1/2RD\CTD for 4100225
39	5000003	8	WASH\LOCK\5/8				
40	5000004	43	WASH\FLAT\1/2				
41	5000005	4	WASH\FLAT\3/4				
42	5000006	12	WASH\LOCK\1/2				
43	5000007	5	WASH\1-1/4\MACH\BUSH				
44	5000012	2	WASH\LOCK\3/4				
45	5000014	2	WASH\FLAT\1				
46	5000019	2	WASH\LOCK\3/8				

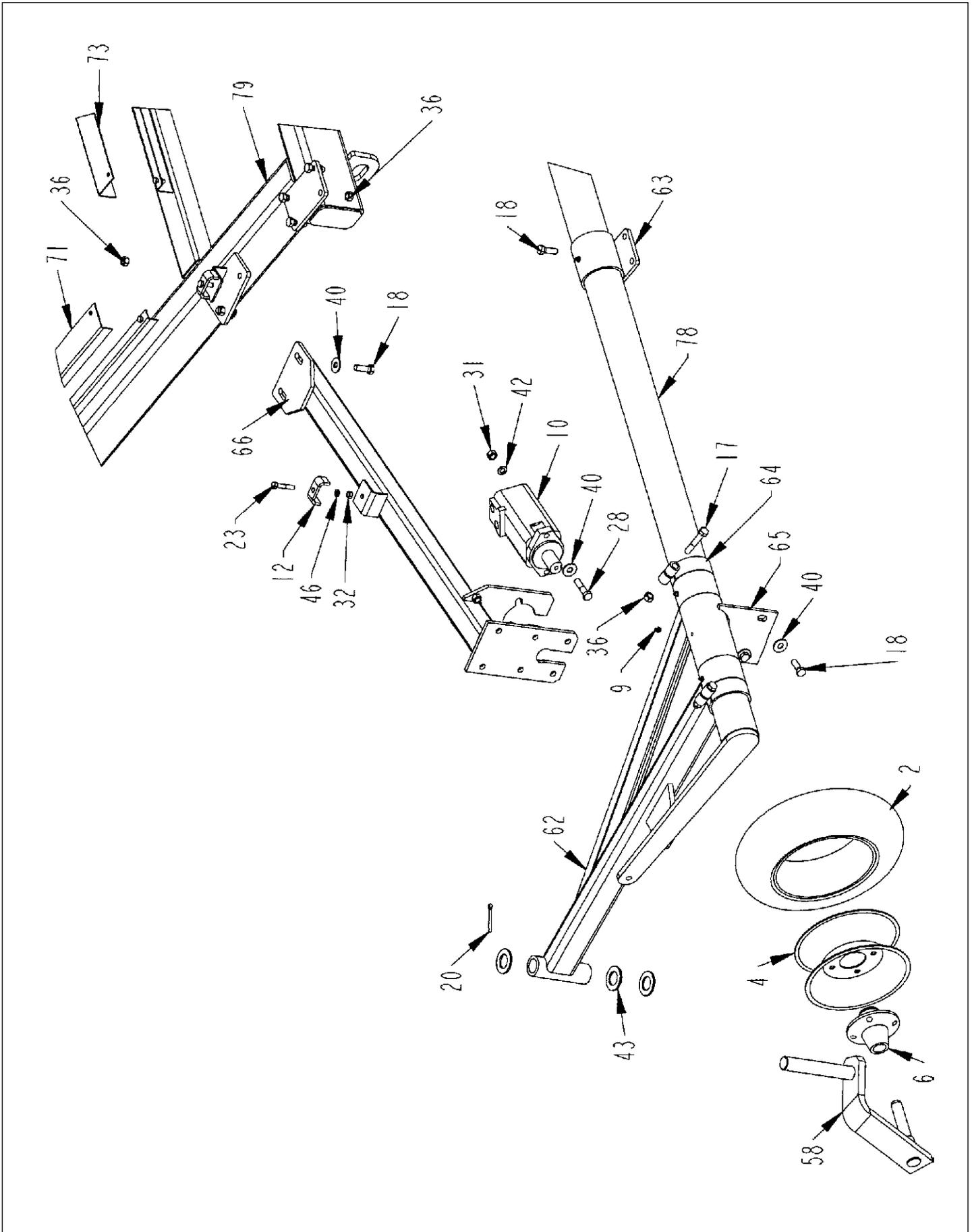
**MAIN FRAME ASSEMBLY - DETAIL B**  
**SERIAL NO. AJ330106 THRU**



**MAIN FRAME ASSEMBLY - DETAIL B  
SERIAL NO. AJ330106 THRU**

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2	2600007		TIRE\4.80X8	48	5000119	2	WASH\FLAT\3/4\PLAIN
3	2600607	2	WHL\8-BOLT\16X10	49	5800603	1	JACK 10-5RP
4	2600609		WHL\4-BOLT\8	50	5800604	1	WELD ON BELL
2 & 4	2600805	1	WHL\ASSY\4-BOLT\4X8\SMOOTH TIRE	51	6600030	2	LINK\LIFT
5	2900026	2	HUB\WHEEL HUB(811)\COMP	52	6600072	1	LIFT\ARM\W\NDRWR
	<b>SEE WHEELS AND HUBS FOR BREAKDOWN</b>			53	6600075	2	CAP\HINGE\ROCKBOX
6	2900050	1	4-BOLT HUB COMP. W\BRGS	54	6600083	2	CLMP\SAFE\BUCKET\3106
7	3800043	3	FTG\LUB\1/8MPXZRK\SHORT	55	6600103	2	CAP\PIVOT\FRM\RCK\WHL
7A	3800082	2	FTG\LUB\1/4NFXZRK\ADPT	56	6600108	1	SHLD\ROCK\ROCKEZE
8	3800044	2	FTG\LUB\1/8MPXZRK\90D	57	6600109	1	STD\LIFT\HIGH\3106
9	3800094	5	FTG\LUB\5/16BARBXZRK\ADPT	58	6600126	1	PIVOT\CASTER\3106
10	3900007	1	MTR\HYD\14.9\2000\1WAY	59	6600137	2	SPINDLE\3106
11	4100030	4	PIN\1X3 1/2\HYD. CYL.	60	6600175	1	HITCH\3106
12	4700777	5	CLMP\HOSE\1/2	61	6600178	1	FLAT\HITCH\ADJ
13	4800010	8	BOLT\HEX\5/8X2	62	6600179	1	BRKT\CASTER\WHL
14	4800043	1	PIN\COT\1/4X2-1/2	63	6600180	2	HINGE\SPPT\RAKE
15	4800046	2	PIN\CLEVIS\3/4X3	64	6600181	2	BRKT\CLMP\LIFT\RAKE
16	4800056	1	PIN\HAIR\3/16(#3)	65	6600184	1	SPPT\OUTER\RAKE\LIFT
17	4800068	2	BOLT\HEX\1/2X3	66	6600187	1	SPPT\BRKT\W\NDRWR
18	4800082	30	BOLT\HEX\1/2X1-1/2	67	6600191	1	LIFT\WHEEL\ARM
19	4800089	1	BOLT\HEX\3/8X4	68	6600192	1	PIN\HITCH\SWING\3106
20	4800103	1	PIN\COT\1/4X2	69	6600194	2	STOP\WHL\FRM
21	4800107	5	PIN\HAIR\1/8(#9)	70	6600195	1	CVR\HOSE\8"2HOSE
22	4800123	2	PIN\COT\1/8X1-1/2	71	6600196	1	CVR\HOSE\58"2HOSE
23	4800146	2	BOLT\HEX\3/8X2	72	6600197	1	CVR\HOSE\8"4HOSE
24	4800147	15	BOLT\HEX\5/16X7/8	73	6600198	1	CVR\HOSE\30"4HOSE
25	4800157	9	PIN\COT\3/16X2	74	6600199	1	CVR\HOSE\48"4HOSE
26	4800173	2	BOLT\HEX\3/4X4-5/8	75	6600200	1	BRKT\HOSE\MNT
27	4800178	2	BOLT\HEX\1/2X1-3/4	76	6600201	1	PIN\HITCH\STOP
28	4800251	2	BOLT\HEX\1/2X2-1/4\NC	77	6600202	1	PIN\HITCH\STOP
29	4800527	2	PIN\CLEVIS\3/4X2	78	6600206	1	SPPT\TUBE\RAKE
30	4800534	1	PIN\COT\3/16X2-1/2	79	6600207	1	FRM\MAIN\3106
31	4900001	14	NUT\HEX\1/2\NC	80	6600208	1	HITCH\ADJ\ARM
32	4900002	2	NUT\HEX\3/8\NC	81	6600209	2	TUBE\HITCH\ADJ
33	4900003	15	NUT\HEX\5/16\NC	82	6600211	1	FRM\MAIN\ASSY\3106
34	4900004	2	NUT\HEX\3/4\NC	83	7500360	1	GROMMET 1.75ID X.25MT
35	4900005	8	NUT\HEX\5/8\NC	84	4100226		CYL\HYD\2X8\1-1/4RD\WLDWELDED#8 ORB
36	4900014	22	NUT\TPLCK\1/2\NC		4100228		SEAL\KIT\2X8\1-1/4RD\CTD for 4100226
37	4900030	1	NUT\NYLCK\3/8\NC	85	4100225		CYL\HYD\3X24\1-1/2RD\WLDWELDED#8 ORB
38	4900045	1	NUT\SLOT\1-1/2\NC		4100227		SEAL\KIT\3X24\1-1/2RD\CTD for 4100225
39	5000003	8	WASH\LOCK\5/8				
40	5000004	43	WASH\FLAT\1/2				
41	5000005	4	WASH\FLAT\3/4				
42	5000006	12	WASH\LOCK\1/2				
43	5000007	5	WASH\1-1/4\MACH\BUSH				
44	5000012	2	WASH\LOCK\3/4				
45	5000014	2	WASH\FLAT\1				
46	5000019	2	WASH\LOCK\3/8				

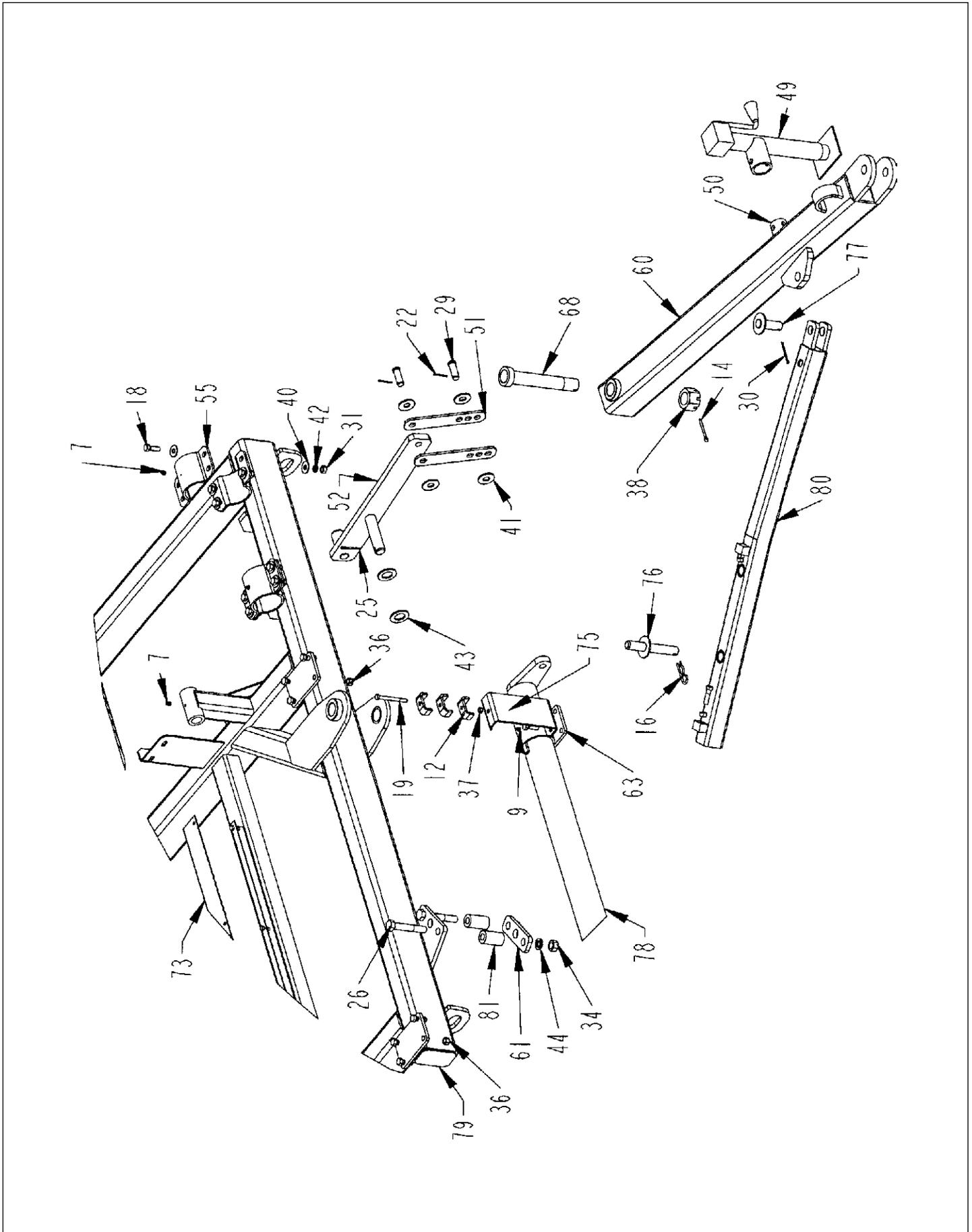
**MAIN FRAME ASSEMBLY - DETAIL C**  
**SERIAL NO. AJ330106 THRU**



**MAIN FRAME ASSEMBLY - DETAIL C  
SERIAL NO. AJ330106 THRU**

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
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2	2600007		TIRE\4.80X8	48	5000119	2	WASH\FLAT\3/4\PLAIN
3	2600607	2	WHL\8-BOLT\16X10	49	5800603	1	JACK 10-5RP
4	2600609		WHL\4-BOLT\8	50	5800604	1	WELD ON BELL
2 & 4	2600805	1	WHL\ASSY\4-BOLT\4X8\SMOOTH TIRE	51	6600030	2	LINK\LIFT
5	2900026	2	HUB\WHEEL HUB(811)\COMP	52	6600072	1	LIFT\ARM\W\NDRWR
	<b>SEE WHEELS AND HUBS FOR BREAKDOWN</b>			53	6600075	2	CAP\HINGE\ROCKBOX
6	2900050	1	4-BOLT HUB COMP. W\BRGS	54	6600083	2	CLMP\SAFE\BUCKET\3106
7	3800043	3	FTG\LUB\1/8MPXZRK\SHORT	55	6600103	2	CAP\PIVOT\FRM\RCK\WHL
7A	3800082	2	FTG\LUB\1/4NFXZRK\ADPT	56	6600108	1	SHLD\ROCK\ROCKEZE
8	3800044	2	FTG\LUB\1/8MPXZRK\90D	57	6600109	1	STD\LIFT\HIGH\3106
9	3800094	5	FTG\LUB\5/16BARBXZRK\ADPT	58	6600126	1	PIVOT\CASTER\3106
10	3900007	1	MTR\HYD\14.9\2000\1WAY	59	6600137	2	SPINDLE\3106
11	4100030	4	PIN\1X3 1/2\HYD. CYL.	60	6600175	1	HITCH\3106
12	4700777	5	CLMP\HOSE\1/2	61	6600178	1	FLAT\HITCH\ADJ
13	4800010	8	BOLT\HEX\5/8X2	62	6600179	1	BRKT\CASTER\WHL
14	4800043	1	PIN\COT\1/4X2-1/2	63	6600180	2	HINGE\SPPT\RAKE
15	4800046	2	PIN\CLEVIS\3/4X3	64	6600181	2	BRKT\CLMP\LIFT\RAKE
16	4800056	1	PIN\HAIR\3/16(#3)	65	6600184	1	SPPT\OUTER\RAKE\LIFT
17	4800068	2	BOLT\HEX\1/2X3	66	6600187	1	SPPT\BRKT\W\NDRWR
18	4800082	30	BOLT\HEX\1/2X1-1/2	67	6600191	1	LIFT\WHEEL\ARM
19	4800089	1	BOLT\HEX\3/8X4	68	6600192	1	PIN\HITCH\SWING\3106
20	4800103	1	PIN\COT\1/4X2	69	6600194	2	STOP\WHL\FRM
21	4800107	5	PIN\HAIR\1/8(#9)	70	6600195	1	CVR\HOSE\8"2HOSE
22	4800123	2	PIN\COT\1/8X1-1/2	71	6600196	1	CVR\HOSE\58"2HOSE
23	4800146	2	BOLT\HEX\3/8X2	72	6600197	1	CVR\HOSE\8"4HOSE
24	4800147	15	BOLT\HEX\5/16X7/8	73	6600198	1	CVR\HOSE\30"4HOSE
25	4800157	9	PIN\COT\3/16X2	74	6600199	1	CVR\HOSE\48"4HOSE
26	4800173	2	BOLT\HEX\3/4X4-5/8	75	6600200	1	BRKT\HOSE\MNT
27	4800178	2	BOLT\HEX\1/2X1-3/4	76	6600201	1	PIN\HITCH\STOP
28	4800251	2	BOLT\HEX\1/2X2-1/4\NC	77	6600202	1	PIN\HITCH\STOP
29	4800527	2	PIN\CLEVIS\3/4X2	78	6600206	1	SPPT\TUBE\RAKE
30	4800534	1	PIN\COT\3/16X2-1/2	79	6600207	1	FRM\MAIN\3106
31	4900001	14	NUT\HEX\1/2\NC	80	6600208	1	HITCH\ADJ\ARM
32	4900002	2	NUT\HEX\3/8\NC	81	6600209	2	TUBE\HITCH\ADJ
33	4900003	15	NUT\HEX\5/16\NC	82	6600211	1	FRM\MAIN\ASSY\3106
34	4900004	2	NUT\HEX\3/4\NC	83	7500360	1	GROMMET 1.75ID X.25MT
35	4900005	8	NUT\HEX\5/8\NC	84	4100226		CYL\HYD\2X8\1-1/4RD\WLDWELDED#8 ORB
36	4900014	22	NUT\TPLCK\1/2\NC		4100228		SEAL\KIT\2X8\1-1/4RD\CTD for 4100226
37	4900030	1	NUT\NYLCK\3/8\NC	85	4100225		CYL\HYD\3X24\1-1/2RD\WLDWELDED#8 ORB
38	4900045	1	NUT\SLOT\1-1/2\NC		4100227		SEAL\KIT\3X24\1-1/2RD\CTD for 4100225
39	5000003	8	WASH\LOCK\5/8				
40	5000004	43	WASH\FLAT\1/2				
41	5000005	4	WASH\FLAT\3/4				
42	5000006	12	WASH\LOCK\1/2				
43	5000007	5	WASH\1-1/4\MACH\BUSH				
44	5000012	2	WASH\LOCK\3/4				
45	5000014	2	WASH\FLAT\1				
46	5000019	2	WASH\LOCK\3/8				

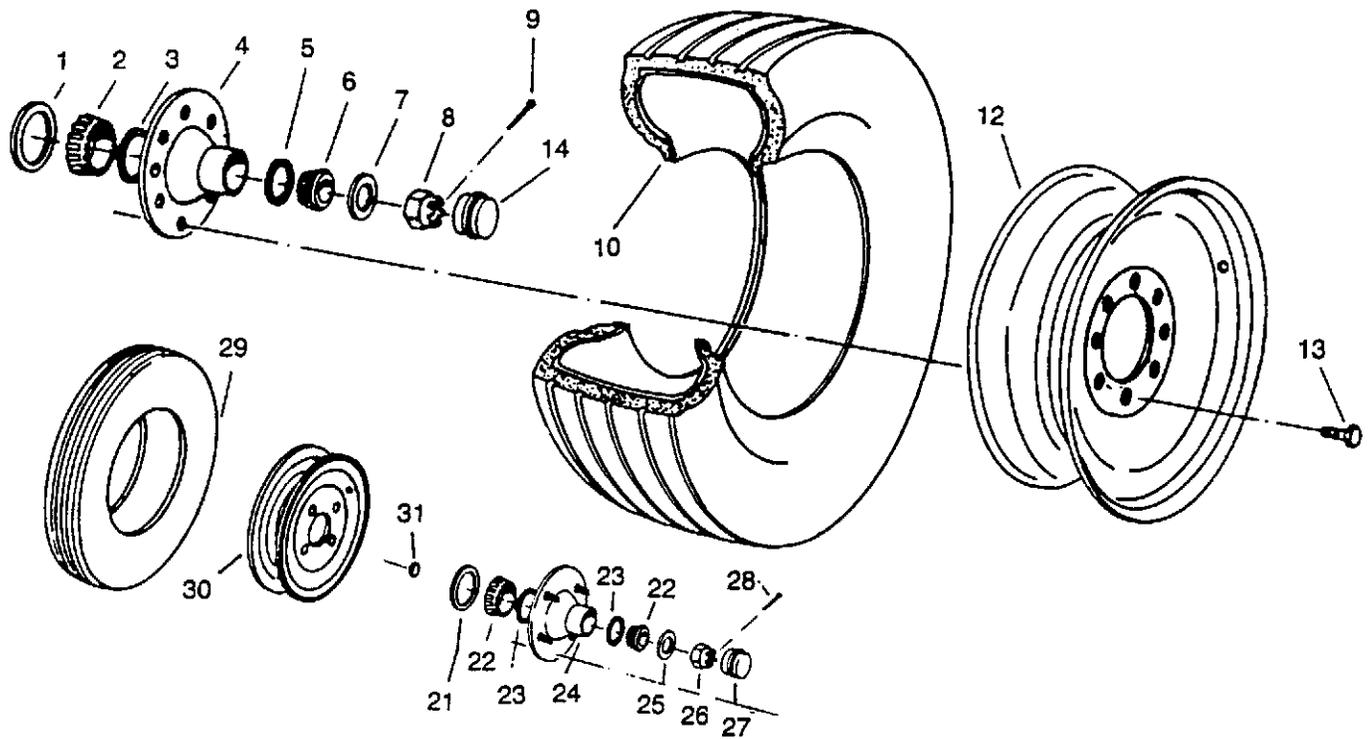
**MAIN FRAME ASSEMBLY - DETAIL D**  
**SERIAL NO. AJ330106 THRU**



**MAIN FRAME ASSEMBLY - DETAIL D  
SERIAL NO. AJ330106 THRU**

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	2600006	2	TIRE\11LX16X8\PLY	47	5000022	15	WASH\LOCK\5\16
2	2600007		TIRE\4.80X8	48	5000119	2	WASH\FLAT\3\4\PLAIN
3	2600607	2	WHL\8-BOLT\16X10	49	5800603	1	JACK 10-5RP
4	2600609		WHL\4-BOLT\8	50	5800604	1	WELD ON BELL
2 & 4	2600805	1	WHL\ASSY\4-BOLT\4X8\SMOOTH TIRE	51	6600030	2	LINK\LIFT
5	2900026	2	HUB\WHEEL HUB(811)\COMP	52	6600072	1	LIFT\ARM\W\NDRWR
	<b>SEE WHEELS AND HUBS FOR BREAKDOWN</b>			53	6600075	2	CAP\HINGE\ROCKBOX
6	2900050	1	4-BOLT HUB COMP. W\BRGS	54	6600083	2	CLMP\SAFE\BUCKET\3106
7	3800043	3	FTG\LUB\1\8MPXZRK\SHORT	55	6600103	2	CAP\PIVOT\FRM\RCK\WHL
7A	3800082	2	FTG\LUB\1\4NFXZRK\ADPT	56	6600108	1	SHLD\ROCK\ROCKEZE
8	3800044	2	FTG\LUB\1\8MPXZRK\90D	57	6600109	1	STD\LIFT\HIGH\3106
9	3800094	5	FTG\LUB\5\16BARBXZRK\ADPT	58	6600126	1	PIVOT\CASTER\3106
10	3900007	1	MTR\HYD\14.9\2000\1WAY	59	6600137	2	SPINDLE\3106
11	4100030	4	PIN\1X3 1/2\HYD. CYL.	60	6600175	1	HITCH\3106
12	4700777	5	CLMP\HOSE\1/2	61	6600178	1	FLAT\HITCH\ADJ
13	4800010	8	BOLT\HEX\5\8X2	62	6600179	1	BRKT\CASTER\WHL
14	4800043	1	PIN\COT\1\4X2-1/2	63	6600180	2	HINGE\SPPT\RAKE
15	4800046	2	PIN\CLEVIS\3\4X3	64	6600181	2	BRKT\CLMP\LIFT\RAKE
16	4800056	1	PIN\HAIR\3\16(#3)	65	6600184	1	SPPT\OUTER\RAKE\LIFT
17	4800068	2	BOLT\HEX\1\2X3	66	6600187	1	SPPT\BRKT\W\NDRWR
18	4800082	30	BOLT\HEX\1\2X1-1/2	67	6600191	1	LIFT\WHEEL\ARM
19	4800089	1	BOLT\HEX\3\8X4	68	6600192	1	PIN\HITCH\SWING\3106
20	4800103	1	PIN\COT\1\4X2	69	6600194	2	STOP\WHL\FRM
21	4800107	5	PIN\HAIR\1\8(#9)	70	6600195	1	CVR\HOSE\8"\2HOSE
22	4800123	2	PIN\COT\1\8X1-1/2	71	6600196	1	CVR\HOSE\58"\2HOSE
23	4800146	2	BOLT\HEX\3\8X2	72	6600197	1	CVR\HOSE\8"\4HOSE
24	4800147	15	BOLT\HEX\5\16X7\8	73	6600198	1	CVR\HOSE\30"\4HOSE
25	4800157	9	PIN\COT\3\16X2	74	6600199	1	CVR\HOSE\48"\4HOSE
26	4800173	2	BOLT\HEX\3\4X4-5\8	75	6600200	1	BRKT\HOSE\MNT
27	4800178	2	BOLT\HEX\1\2X1-3\4	76	6600201	1	PIN\HITCH\STOP
28	4800251	2	BOLT\HEX\1\2X2-1\4\NC	77	6600202	1	PIN\HITCH\STOP
29	4800527	2	PIN\CLEVIS\3\4X2	78	6600206	1	SPPT\TUBE\RAKE
30	4800534	1	PIN\COT\3\16X2-1/2	79	6600207	1	FRM\MAIN\3106
31	4900001	14	NUT\HEX\1\2\NC	80	6600208	1	HITCH\ADJ\ARM
32	4900002	2	NUT\HEX\3\8\NC	81	6600209	2	TUBE\HITCH\ADJ
33	4900003	15	NUT\HEX\5\16\NC	82	6600211	1	FRM\MAIN\ASSY\3106
34	4900004	2	NUT\HEX\3\4\NC	83	7500360	1	GROMMET 1.75ID X.25MT
35	4900005	8	NUT\HEX\5\8\NC	84	4100226		CYL\HYD\2X8\1-1\4RD\WLD\WELDED#8 ORB
36	4900014	22	NUT\TPLCK\1\2\NC		4100228		SEAL\KIT\2X8\1-1\4RD\CTD for 4100226
37	4900030	1	NUT\NYLCK\3\8\NC	85	4100225		CYL\HYD\3X24\1-1\2RD\WLD\WELDED#8 ORB
38	4900045	1	NUT\SLOT\1-1\2\NC		4100227		SEAL\KIT\3X24\1-1\2RD\CTD for 4100225
39	5000003	8	WASH\LOCK\5\8				
40	5000004	43	WASH\FLAT\1\2				
41	5000005	4	WASH\FLAT\3\4				
42	5000006	12	WASH\LOCK\1\2				
43	5000007	5	WASH\1-1\4\MACH\BUSH				
44	5000012	2	WASH\LOCK\3\4				
45	5000014	2	WASH\FLAT\1				
46	5000019	2	WASH\LOCK\3\8				

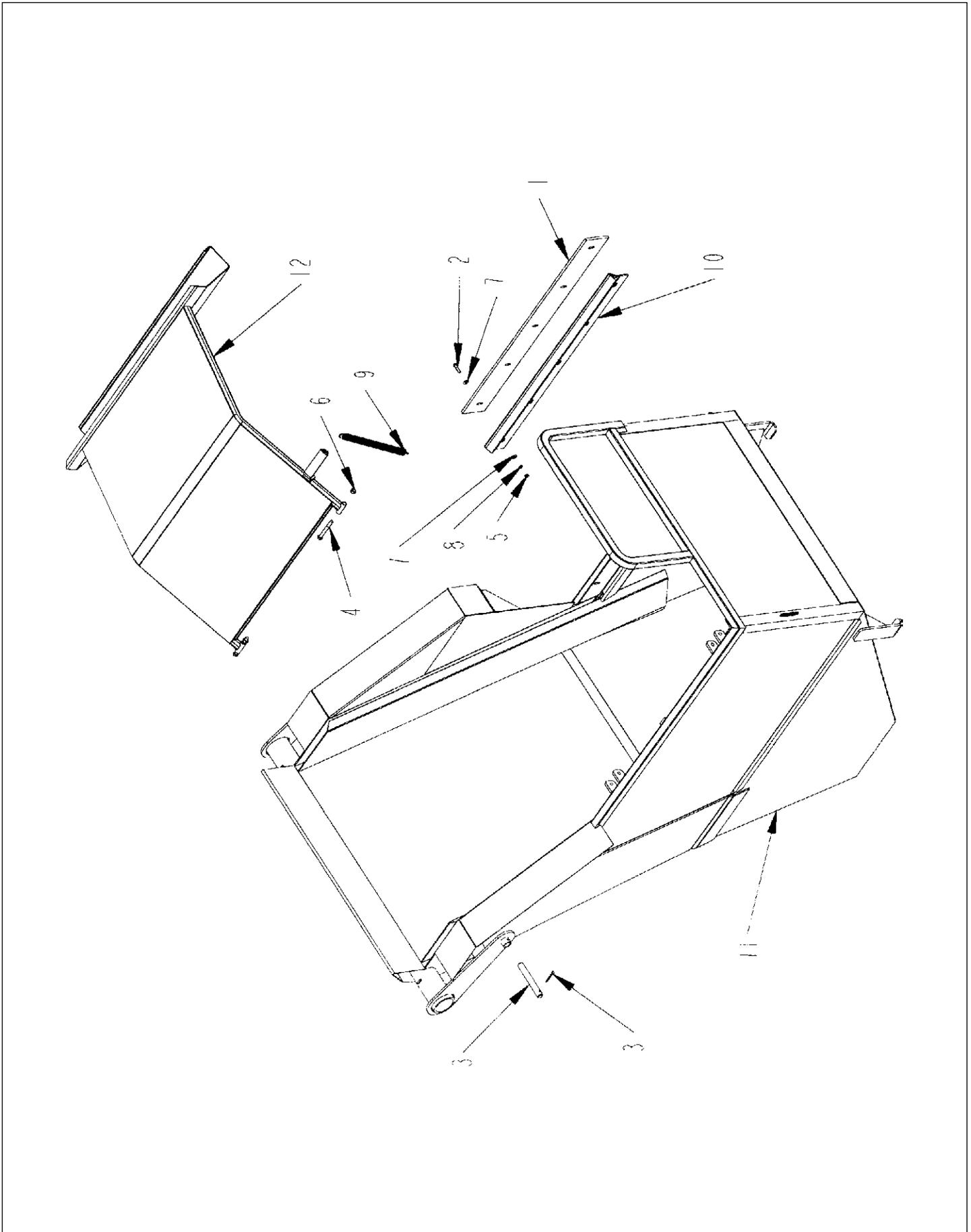
# WHEELS AND HUBS



## WHEELS AND HUBS

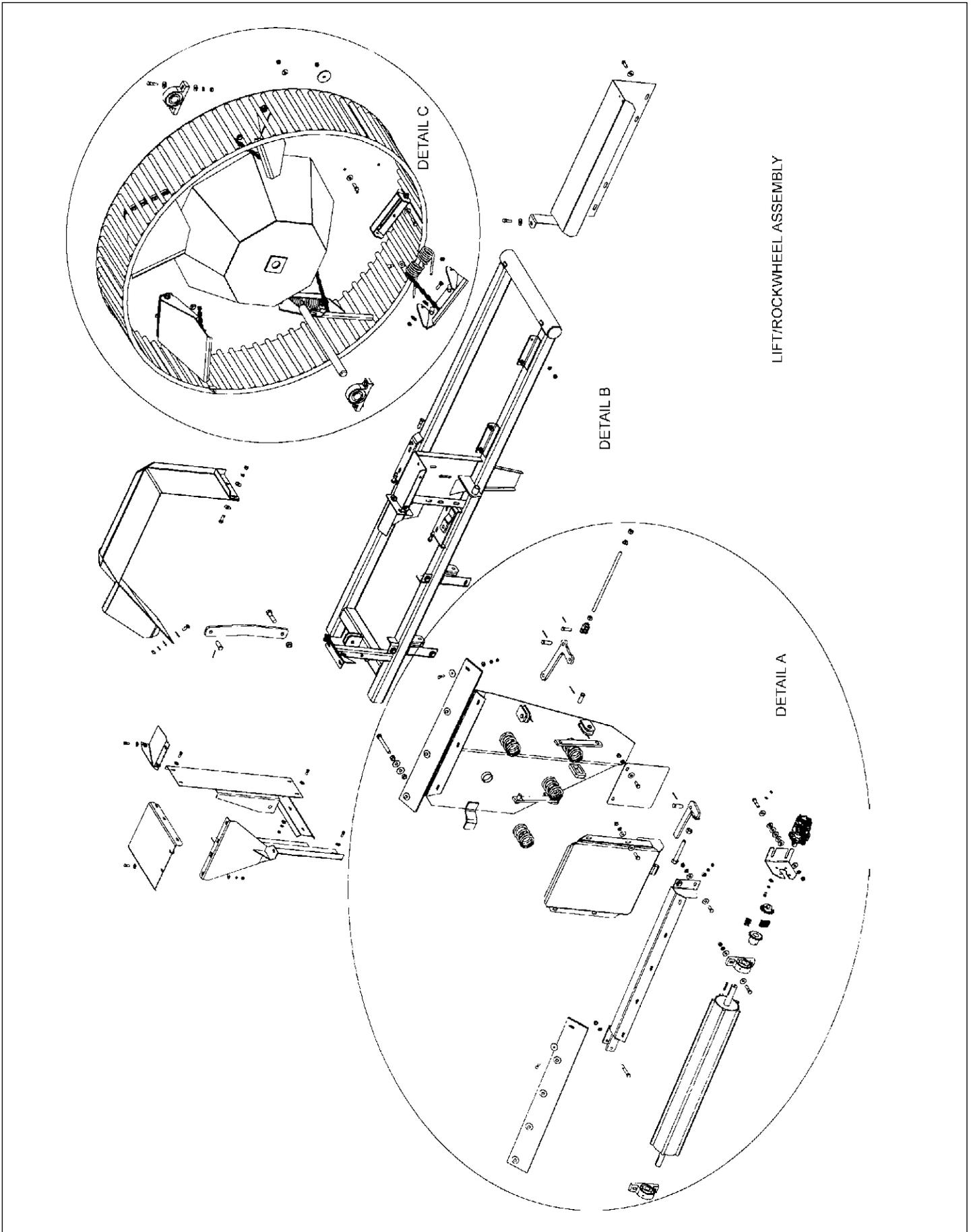
ITEM	PART NO.	QTY.	DESCRIPTION
1	2900030	2	SEAL
2	2900029	2	INNER CONE
3	2900028	2	INNER CUP
4	2900026	2	HUB COMPLETE, SEALS, BEARINGS, CAP BOLTS
4A	NA		HUB ONLY
5	2900025	2	OUTER CONE
6	2900024	2	OUTER CUP
7	5000055	2	WASHER
8	4900054	2	NUT
9	2900021	2	COTTER PIN
10	2600006	2	11L - 16 TIRE
12	2600607	2	WHEEL 16 X 10 - 8-BOLT
13	2600608	16	BOLT
14	2900020	2	HUB CAP
21	2900031	1	SEAL
22	2900032	2	CONE
23	2900033	2	CUP
24	2900143	1	HUB COMPLETE, SEALS, BEARINGS, WHEEL NUTS
25	5000055	1	WASHER
26	4900055	1	NUT
27	2900037	1	CAP
28	4800050	1	COTTER PIN
29 & 30	2600805	1	4.00 X 8 TIRE AND WHEEL
29	2600007	1	4.80 X 8 TUBELESS TIRE
30	2600609	1	WHEEL
31	4900094	4	NUT\TPR\WHEL\1/2\13/16OD\NF

ROCK BOX ASSEMBLY SERIAL NO. AJ330106 THRU



**ROCK BOX ASSEMBLY SERIAL NO. AJ330106 THRU**

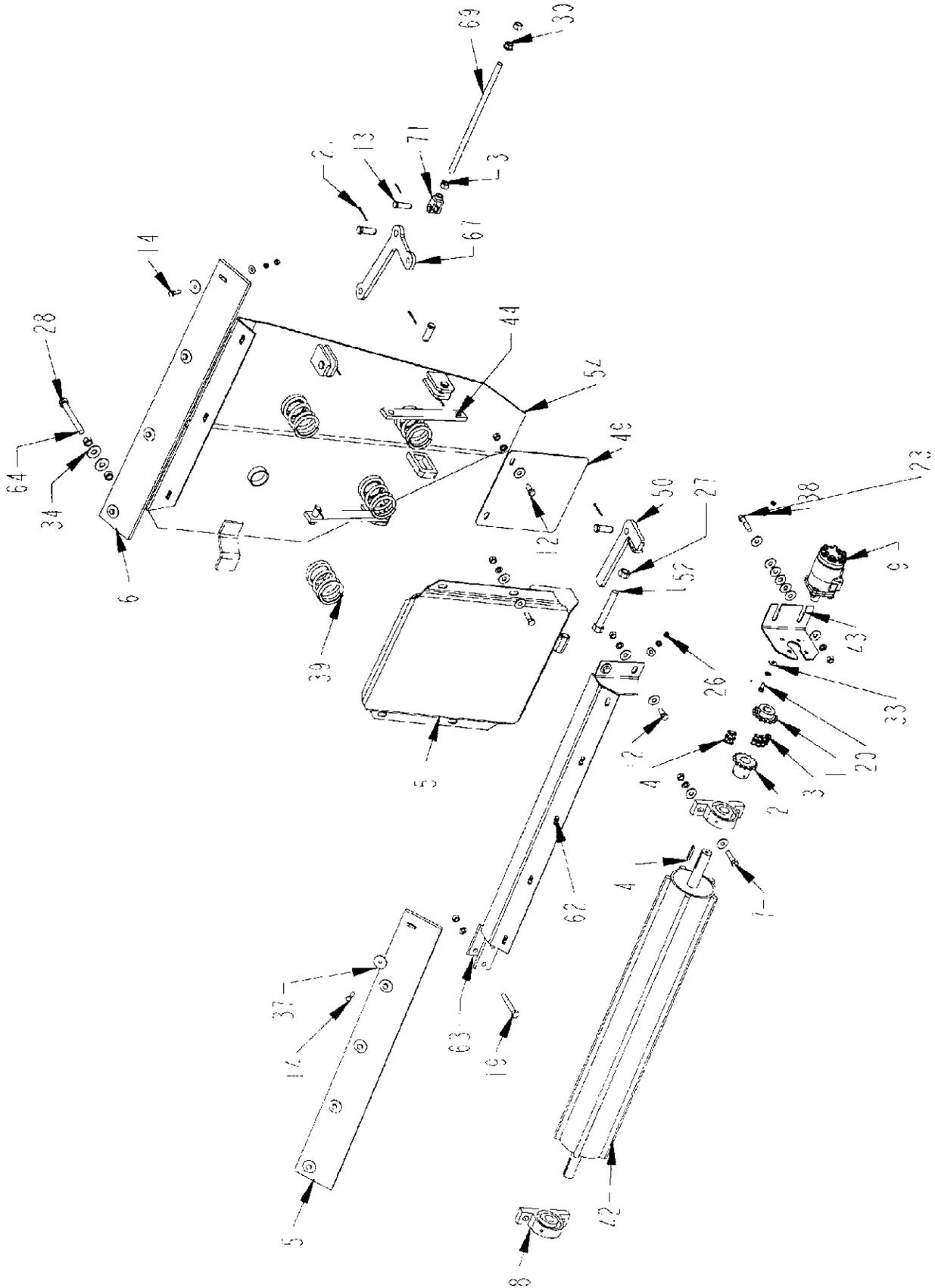
<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	1700026	1	BELT\PNCHD\5\39W\3-PLY\
2	4800034	5	BOLT\HEX\3\8X1-1\2
3	4800103	2	PIN\COT\1\4X2
4	4800188	2	BOLT\HEX\1\2X4
5	4900002	5	NUT\HEX\3\8\NC
6	4900014	2	NUT\TPLCK\1\2\NC
7	5000001	10	WASH\FLAT\3\8
8	5000019	5	WASH\LOCK\3\8
9	6100001	1	SPRING.156OT 63\64OD13LIH
10	6600081	1	BRKT\BELTING\ROCKBOX
11	6600106	1	BUCKET\ROCK\H106
12	6600107	1	SHLD\FALLOUT\ROCKEZE
13	6600131	2	PIN\CYL\ROCKBOX
	D1013046		PL\BOX\ROCK\GRATE, Rock Box Bottom



**LIFT/ROCKWHEEL ASSEMBLY SERIAL NO. AJ330106 THRU**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>	<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	1000029	1	SPKT\50\B\14\1\1\4KW	37	5000017	9	WASH\FLAT\FNDR\395X1-5/8X.090
2	1000072	1	SPKT\50\B\14\1-1/4 EXTHUB	38	5000019	23	WASH\LOCK\3/8
3	1100026	1	CHAIN\50DBL\13	39	6100007	4	SPRING\ROCK PLATE
4	1100099	1	CHAIN\50DBL\1CL	40	6100018	5	PADDLE SPRING
5	1700027	1	BELT\PNCHD\5\39\W\3-PLY	41	6200012	1	KEY\SQ\1/4X2
6	1700161	1	BELT\PNCHD\5X38-3/4\3PLY	42	6600005	1	RLLR\KICKER\ROCK
7	2000505	2	BRG\PB\1-3/4\2BOLT	43	6600006	1	BRKT\ORBIT\MTR\ROCKEZE
8	2000513	2	BRG\PB\1-1/4\2BOLT\MALLEABLE	44	6600009	2	ARML\NKG\ADJ\
9	3900031	1	MTR\HYD\101-1011\5.9CI	45	6600031	1	BAR\LIFT\ROCKWHEEL
10	4800003	9	BOLT\HEX\3/8X1	46	6600053	1	WHL\ROCK\W/O-PADDLE
11	4800017	1	BOLT\HEX\3/4X3	47	6600054	5	HINGE\PADDLE\ROCKEZE
12	4800018	11	BOLT\HEX\1/2X1-1/4	48	6600055	5	PDDL\ROCKWHEEL
13	4800030	1	PIN\CLEVIS\5/8X2	49	6600059	1	SHLD\ORBIT\MTR\ROCKEZE
14	4800034	9	BOLT\HEX\3/8X1-1/2	50	6600061	1	LINKAGE\ROCKPLATE
15	4800082	36	BOLT\HEX\1/2X1-1/2	51	6600062	1	PLATE\SPRING
16	4800098	1	BOLT\HEX\3/8X1-1/4\NC	52	6600063	1	BOLT\ADJ\SPG_PL\3/4X6
17	4800114	10	BOLT\HEX\1/2X2	53	6600064	1	SHLD\FR\ROCK\ROCKEZE
18	4800123	7	PIN\COT\1/8X1-1/2	54	6600070	1	BRKT\ROCKPLATE
19	4800135	2	BOLT\HEX\1/2X3-1/2	55	6600101	1	FRM\WHEEL\ROCK
20	4800164	4	BOLT\HEX\3/8X3/4	56	6600111	1	SHLD\ROCK
21	4800203	7	PIN\COT\5/16X2	57	6600112	1	SHLD\L\CYL\ROCKEZE
22	4800231	2	BOLT\HEX\1/2X3-3/4	58	6600113	1	SHLD\R\CYL\ROCKEZE
23	4800251	2	BOLT\HEX\1/2X2-1/4\NC	59	6600114	1	SHLD\UP\FR\CYL\ROCKEZE
24	4800527	8	PIN\CLEVIS\3/4X2	60	6600115	1	SHLD\UP\CYL\ROCKEZE
25	4900001	29	NUT\HEX\1/2\NC	61	6600116	1	SHLD\LWR\CYL\ROCKEZE
26	4900002	19	NUT\HEX\3/8\NC	62	6600117	1	HOSE\PROTECT\ROCKEZE
27	4900004	2	NUT\HEX\3/4\NC	63	6600118	1	HOSE\PROTECT\MNT\STRP
28	4900005	4	NUT\HEX\5/8\NC	64	6600122	1	BOLT\HEX\5/8X5-1/2
29	4900014	34	NUT\TPLCK\1/2\NC	65	6600123	10	WASH\FLAT\3ODX1/4\9/16HL
30	4900110	1	NUT\FLG\SERR\5/8\NC	66	6600160	1	SHFT\24X1-3/4\ROCKEZE
31	4900123	1	NUT\HEX\5/8\GR8\NF	67	6600186	1	BRKT\PL\LINKAGE\TOP
32	4900139	1	NUT\TPLCK\3/4\GR8\NC	68	6600188	2	HUB\ROCKWHL\WELDMENT
33	5000001	33	WASH\FLAT\3/8	69	6600203	1	ROD\ADJ\ROCKPLATE
34	5000002	2	WASH\FLAT\5/8				
35	5000004	102	WASH\FLAT\1/2	71	7501057	1	CLEVIS\5/8PIN\5/8-18ROD
36	5000006	29	WASH\LOCK\1/2				

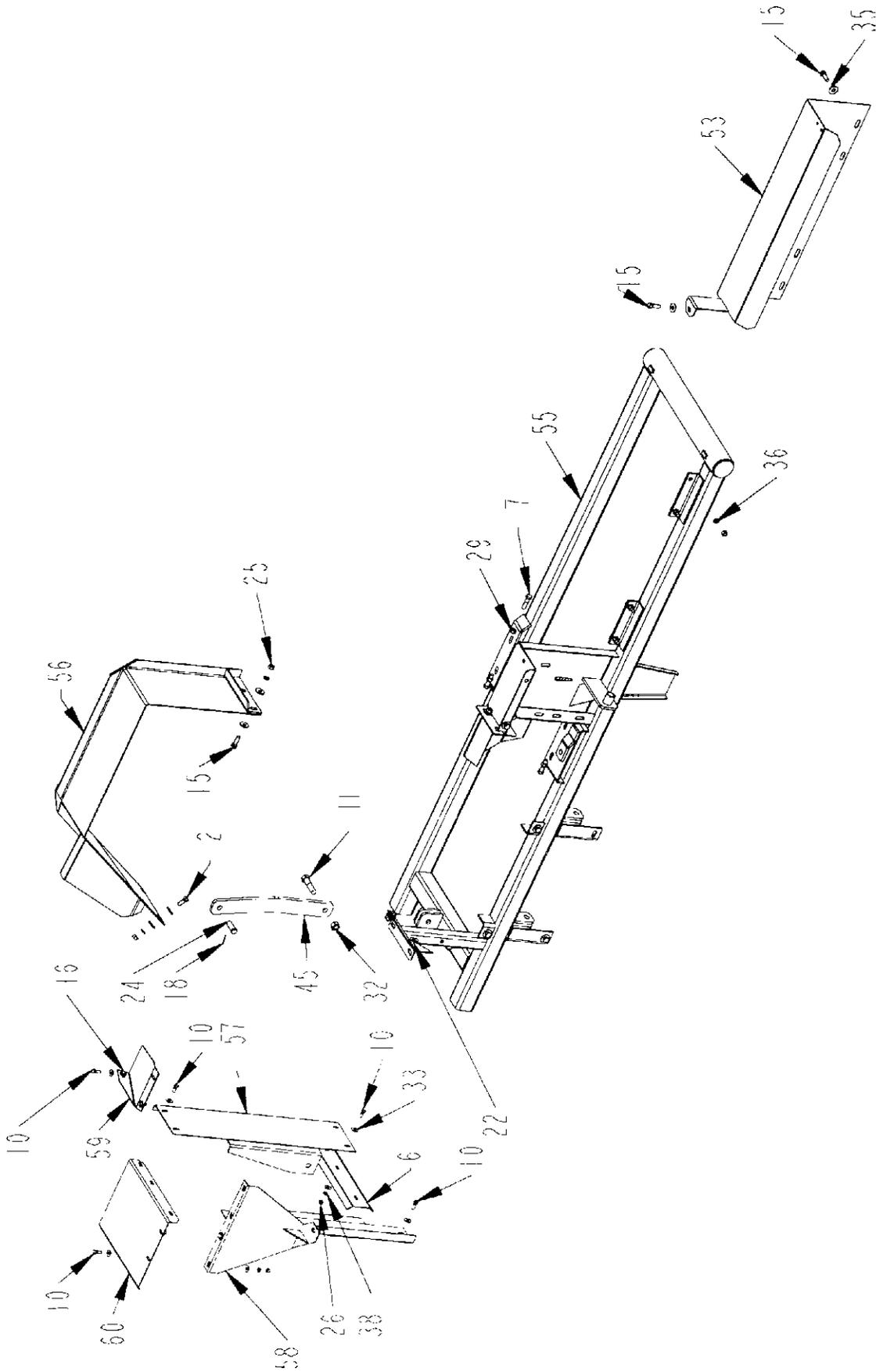
**LIFT/ROCKWHEEL ASSEMBLY DETAIL A  
SERIAL NO. AJ330106 THRU**



**LIFT/ROCKWHEEL ASSEMBLY DETAIL A  
SERIAL NO. AJ330106 THRU**

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	1000029	1	SPKT\50\B\14\1\1\1/4KW	37	5000017	9	WASH\FLAT\FNDR\395X1-5/8X.090
2	1000072	1	SPKT\50\B\14\1-1/4 EXTHUB	38	5000019	23	WASH\LOCK\3/8
3	1100026	1	CHAIN\50DBL\13	39	6100007	4	SPRING\ROCK PLATE
4	1100099	1	CHAIN\50DBL\1CL	40	6100018	5	PADDLE SPRING
5	1700027	1	BELT\PNCHD\5\39\W\3-PLY	41	6200012	1	KEY\SQ\1/4X2
6	1700161	1	BELT\PNCHD\5X38-3/4\3PLY	42	6600005	1	RLLR\KICKER\ROCK
7	2000505	2	BRG\PB\1-3/4\2BOLT	43	6600006	1	BRKT\ORBIT\MTR\ROCKEZE
8	2000513	2	BRG\PB\1-1/4\2BOLT\MALLEABLE	44	6600009	2	ARML\NKG\ADJ\
9	3900031	1	MTR\HYD\101-1011\5.9CI	45	6600031	1	BAR\LIFT\ROCKWHEEL
10	4800003	9	BOLT\HEX\3/8X1	46	6600053	1	WHL\ROCK\W/O-PADDLE
11	4800017	1	BOLT\HEX\3/4X3	47	6600054	5	HINGE\PADDLE\ROCKEZE
12	4800018	11	BOLT\HEX\1/2X1-1/4	48	6600055	5	PDDL\ROCKWHEEL
13	4800030	1	PIN\CLEVIS\5/8X2	49	6600059	1	SHLD\ORBIT\MTR\ROCKEZE
14	4800034	9	BOLT\HEX\3/8X1-1/2	50	6600061	1	LINKAGE\ROCKPLATE
15	4800082	36	BOLT\HEX\1/2X1-1/2	51	6600062	1	PLATE\SPRING
16	4800098	1	BOLT\HEX\3/8X1-1/4\NC	52	6600063	1	BOLT\ADJ\SPG_PL\3/4X6
17	4800114	10	BOLT\HEX\1/2X2	53	6600064	1	SHLD\FR\ROCK\ROCKEZE
18	4800123	7	PIN\COT\1/8X1-1/2	54	6600070	1	BRKT\ROCKPLATE
19	4800135	2	BOLT\HEX\1/2X3-1/2	55	6600101	1	FRM\WHEEL\ROCK
20	4800164	4	BOLT\HEX\3/8X3/4	56	6600111	1	SHLD\ROCK
21	4800203	7	PIN\COT\5/16X2	57	6600112	1	SHLD\L\CYL\ROCKEZE
22	4800231	2	BOLT\HEX\1/2X3-3/4	58	6600113	1	SHLD\R\CYL\ROCKEZE
23	4800251	2	BOLT\HEX\1/2X2-1/4\NC	59	6600114	1	SHLD\UP\FR\CYL\ROCKEZE
24	4800527	8	PIN\CLEVIS\3/4X2	60	6600115	1	SHLD\UP\CYL\ROCKEZE
25	4900001	29	NUT\HEX\1/2\NC	61	6600116	1	SHLD\LWR\CYL\ROCKEZE
26	4900002	19	NUT\HEX\3/8\NC	62	6600117	1	HOSE\PROTECT\ROCKEZE
27	4900004	2	NUT\HEX\3/4\NC	63	6600118	1	HOSE\PROTECT\MNT\STRP
28	4900005	4	NUT\HEX\5/8\NC	64	6600122	1	BOLT\HEX\5/8X5-1/2
29	4900014	34	NUT\TPLCK\1/2\NC	65	6600123	10	WASH\FLAT\3ODX1/4\9/16HL
30	4900110	1	NUT\FLG\SERR\5/8\NC	66	6600160	1	SHFT\24X1-3/4\ROCKEZE
31	4900123	1	NUT\HEX\5/8\GR8\NF	67	6600186	1	BRKT\PL\LINKAGE\TOP
32	4900139	1	NUT\TPLCK\3/4\GR8\NC	68	6600188	2	HUB\ROCKWHL\WELDMENT
33	5000001	33	WASH\FLAT\3/8	69	6600203	1	ROD\ADJ\ROCKPLATE
34	5000002	2	WASH\FLAT\5/8				
35	5000004	102	WASH\FLAT\1/2	71	7501057	1	CLEVIS\5/8PIN\5/8-18ROD
36	5000006	29	WASH\LOCK\1/2				

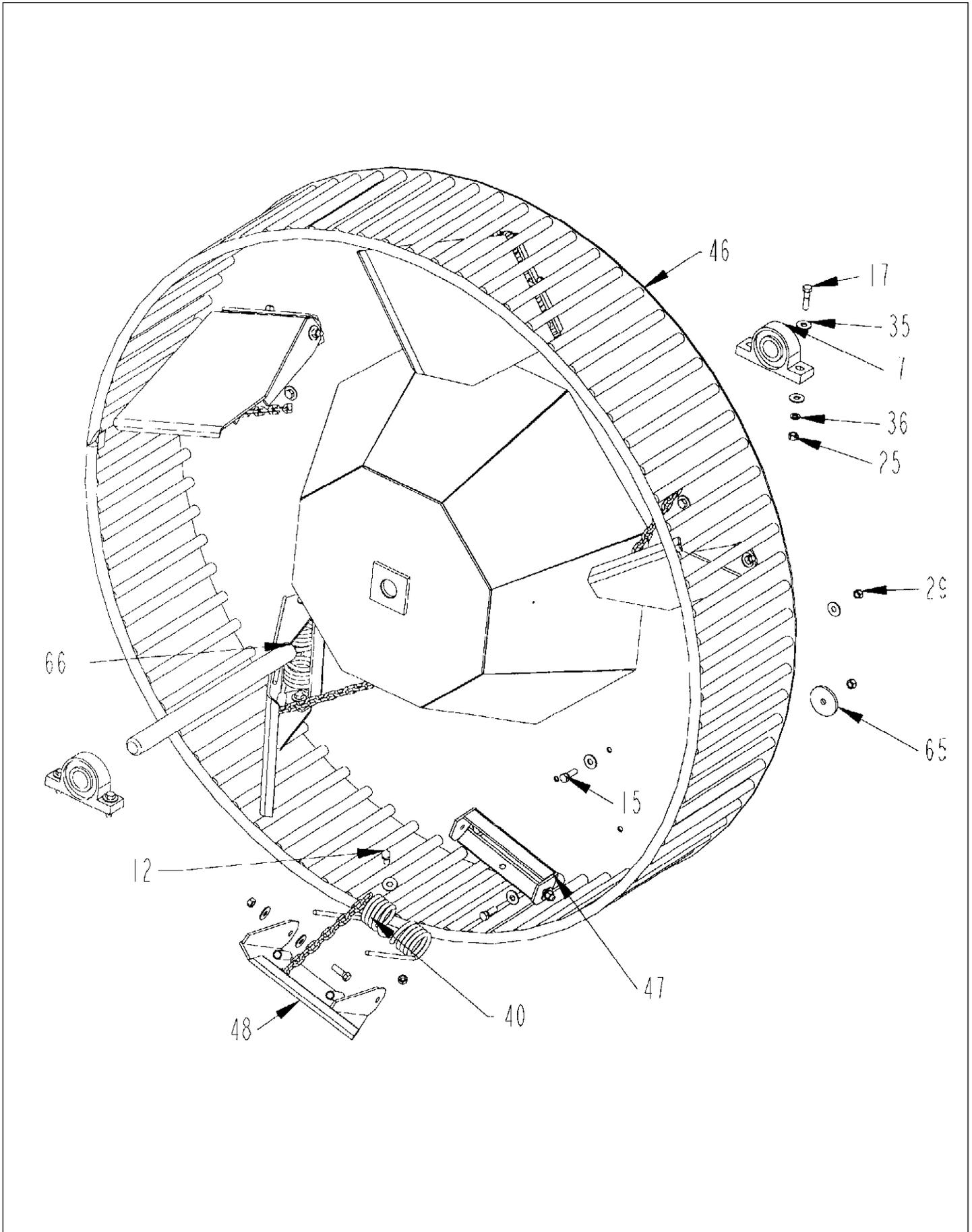
**LIFT/ROCKWHEEL ASSEMBLY DETAIL B  
SERIAL NO. AJ330106 THRU**



**LIFT/ROCKWHEEL ASSEMBLY DETAIL B  
SERIAL NO. AJ330106 THRU**

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	1000029	1	SPKT\50\B\14\1\1\1/4KW	37	5000017	9	WASH\FLAT\FNDR\395X1-5/8X.090
2	1000072	1	SPKT\50\B\14\1-1/4 EXTHUB	38	5000019	23	WASH\LOCK\3/8
3	1100026	1	CHAIN\50DBL\13	39	6100007	4	SPRING\ROCK PLATE
4	1100099	1	CHAIN\50DBL\1CL	40	6100018	5	PADDLE SPRING
5	1700027	1	BELT\PNCHD\5\39\W\3-PLY	41	6200012	1	KEY\SQ\1/4X2
6	1700161	1	BELT\PNCHD\5X38-3/4\3PLY	42	6600005	1	RLLR\KICKER\ROCK
7	2000505	2	BRG\PB\1-3/4\2BOLT	43	6600006	1	BRKT\ORBIT\MTR\ROCKEZE
8	2000513	2	BRG\PB\1-1/4\2BOLT\MALLEABLE	44	6600009	2	ARML\NKG\ADJ\
9	3900031	1	MTR\HYD\101-1011\5.9CI	45	6600031	1	BAR\LIFT\ROCKWHEEL
10	4800003	9	BOLT\HEX\3/8X1	46	6600053	1	WHL\ROCK\W/O-PADDLE\
11	4800017	1	BOLT\HEX\3/4X3	47	6600054	5	HINGE\PADDLE\ROCKEZE
12	4800018	11	BOLT\HEX\1/2X1-1/4	48	6600055	5	PDDL\ROCKWHEEL
13	4800030	1	PIN\CLEVIS\5/8X2	49	6600059	1	SHLD\ORBIT\MTR\ROCKEZE
14	4800034	9	BOLT\HEX\3/8X1-1/2	50	6600061	1	LINKAGE\ROCKPLATE
15	4800082	36	BOLT\HEX\1/2X1-1/2	51	6600062	1	PLATE\SPRING
16	4800098	1	BOLT\HEX\3/8X1-1/4\NC	52	6600063	1	BOLT\ADJ\SPG_PL\3/4X6
17	4800114	10	BOLT\HEX\1/2X2	53	6600064	1	SHLD\FR\ROCK\ROCKEZE
18	4800123	7	PIN\COT\1/8X1-1/2	54	6600070	1	BRKT\ROCKPLATE
19	4800135	2	BOLT\HEX\1/2X3-1/2	55	6600101	1	FRM\WHEEL\ROCK
20	4800164	4	BOLT\HEX\3/8X3/4	56	6600111	1	SHLD\ROCK
21	4800203	7	PIN\COT\5/16X2	57	6600112	1	SHLD\L\CYL\ROCKEZE
22	4800231	2	BOLT\HEX\1/2X3-3/4	58	6600113	1	SHLD\R\CYL\ROCKEZE
23	4800251	2	BOLT\HEX\1/2X2-1/4\NC	59	6600114	1	SHLD\UP\FR\CYL\ROCKEZE
24	4800527	8	PIN\CLEVIS\3/4X2	60	6600115	1	SHLD\UP\CYL\ROCKEZE
25	4900001	29	NUT\HEX\1/2\NC	61	6600116	1	SHLD\LWR\CYL\ROCKEZE
26	4900002	19	NUT\HEX\3/8\NC	62	6600117	1	HOSE\PROTECT\ROCKEZE
27	4900004	2	NUT\HEX\3/4\NC	63	6600118	1	HOSE\PROTECT\MNT\STRP
28	4900005	4	NUT\HEX\5/8\NC	64	6600122	1	BOLT\HEX\5/8X5-1/2
29	4900014	34	NUT\TPLCK\1/2\NC	65	6600123	10	WASH\FLAT\3ODX1/4\9/16HL
30	4900110	1	NUT\FLG\SERR\5/8\NC	66	6600160	1	SHFT\24X1-3/4\ROCKEZE
31	4900123	1	NUT\HEX\5/8\GR8\NF	67	6600186	1	BRKT\PL\LINKAGE\TOP
32	4900139	1	NUT\TPLCK\3/4\GR8\NC	68	6600188	2	HUB\ROCKWHL\WELDMENT
33	5000001	33	WASH\FLAT\3/8	69	6600203	1	ROD\ADJ\ROCKPLATE
34	5000002	2	WASH\FLAT\5/8				
35	5000004	102	WASH\FLAT\1/2	71	7501057	1	CLEVIS\5/8PIN\5/8-18ROD
36	5000006	29	WASH\LOCK\1/2				

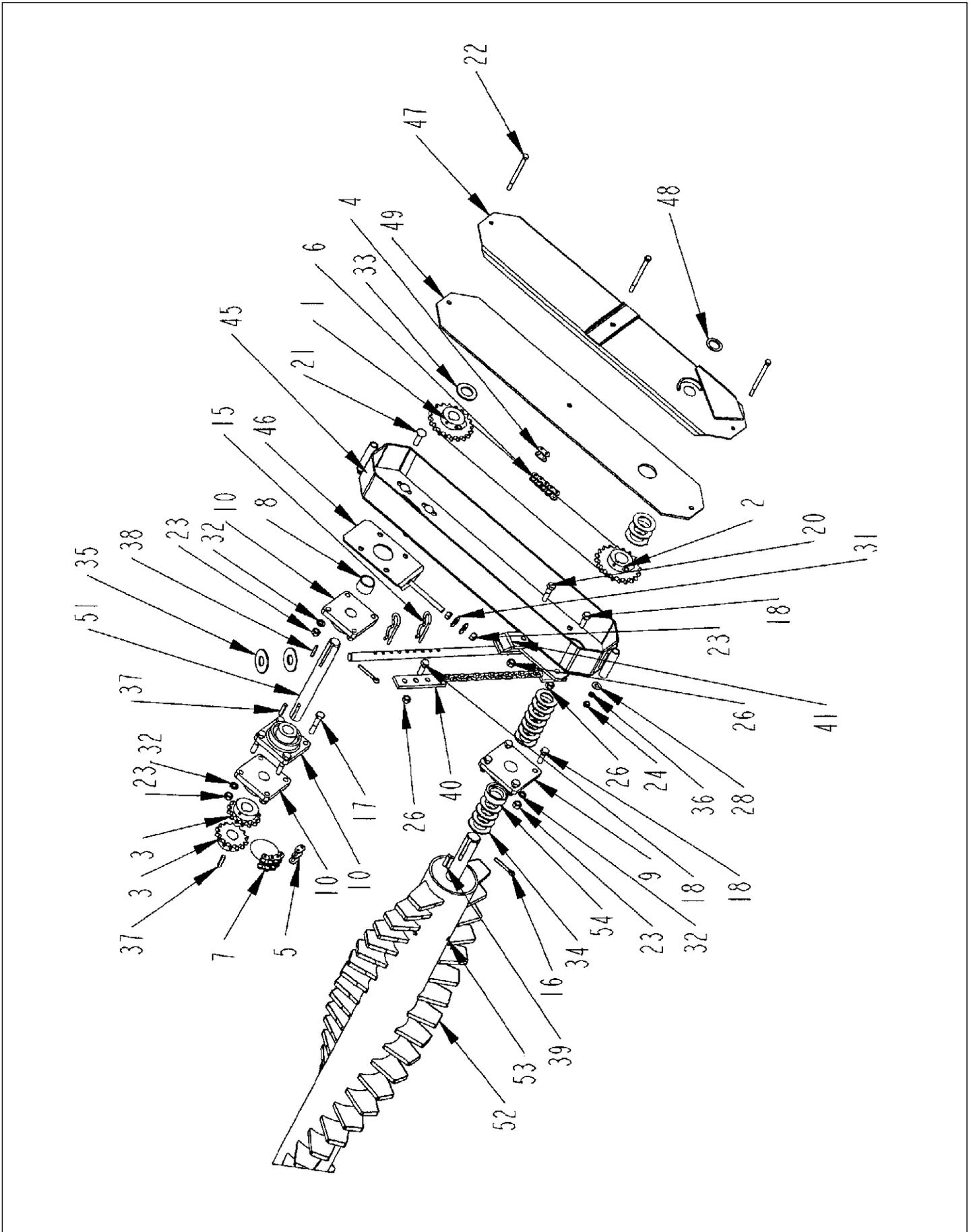
LIFT/ROCKWHEEL ASSEMBLY DETAIL C  
SERIAL NO. AJ330106 THRU



**LIFT/ROCKWHEEL ASSEMBLY DETAIL C  
SERIAL NO. AJ330106 THRU**

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	1000029	1	SPKT\50\B\14\1\1\1/4KW	37	5000017	9	WASH\FLAT\FNDR\395X1-5/8X.090
2	1000072	1	SPKT\50\B\14\1-1/4 EXTHUB	38	5000019	23	WASH\LOCK\3/8
3	1100026	1	CHAIN\50DBL\13	39	6100007	4	SPRING\ROCK PLATE
4	1100099	1	CHAIN\50DBL\1CL	40	6100018	5	PADDLE SPRING
5	1700027	1	BELT\PNCHD\5\39\W\3-PLY	41	6200012	1	KEY\SQ\1/4X2
6	1700161	1	BELT\PNCHD\5X38-3/4\3PLY	42	6600005	1	RLLR\KICKER\ROCK
7	2000505	2	BRG\PB\1-3/4\2BOLT	43	6600006	1	BRKT\ORBIT\MTR\ROCKEZE
8	2000513	2	BRG\PB\1-1/4\2BOLT\MALLEABLE	44	6600009	2	ARML\NKG\ADJ
9	3900031	1	MTR\HYD\101-1011\5.9CI	45	6600031	1	BAR\LIFT\ROCKWHEEL
10	4800003	9	BOLT\HEX\3/8X1	46	6600053	1	WHL\ROCK\W/O-PADDLE
11	4800017	1	BOLT\HEX\3/4X3	47	6600054	5	HINGE\PADDLE\ROCKEZE
12	4800018	11	BOLT\HEX\1/2X1-1/4	48	6600055	5	PDDL\ROCKWHEEL
13	4800030	1	PIN\CLEVIS\5/8X2	49	6600059	1	SHLD\ORBIT\MTR\ROCKEZE
14	4800034	9	BOLT\HEX\3/8X1-1/2	50	6600061	1	LINKAGE\ROCKPLATE\
15	4800082	36	BOLT\HEX\1/2X1-1/2	51	6600062	1	PLATE\SPRING
16	4800098	1	BOLT\HEX\3/8X1-1/4\NC	52	6600063	1	BOLT\ADJ\SPG_PL\3/4X6
17	4800114	10	BOLT\HEX\1/2X2	53	6600064	1	SHLD\FR\ROCK\ROCKEZE
18	4800123	7	PIN\COT\1/8X1-1/2	54	6600070	1	BRKT\ROCKPLATE
19	4800135	2	BOLT\HEX\1/2X3-1/2	55	6600101	1	FRM\WHEEL\ROCK
20	4800164	4	BOLT\HEX\3/8X3/4	56	6600111	1	SHLD\ROCK
21	4800203	7	PIN\COT\5/16X2	57	6600112	1	SHLD\L\CYL\ROCKEZE
22	4800231	2	BOLT\HEX\1/2X3-3/4	58	6600113	1	SHLD\R\CYL\ROCKEZE
23	4800251	2	BOLT\HEX\1/2X2-1/4\NC	59	6600114	1	SHLD\UP\FR\CYL\ROCKEZE
24	4800527	8	PIN\CLEVIS\3/4X2	60	6600115	1	SHLD\UP\CYL\ROCKEZE
25	4900001	29	NUT\HEX\1/2\NC	61	6600116	1	SHLD\LWR\CYL\ROCKEZE
26	4900002	19	NUT\HEX\3/8\NC	62	6600117	1	HOSE\PROTECT\ROCKEZE
27	4900004	2	NUT\HEX\3/4\NC	63	6600118	1	HOSE\PROTECT\MNT\STRP
28	4900005	4	NUT\HEX\5/8\NC	64	6600122	1	BOLT\HEX\5/8X5-1/2
29	4900014	34	NUT\TPLCK\1/2\NC	65	6600123	10	WASH\FLAT\3ODX1/4\9/16HL
30	4900110	1	NUT\FLG\SERR\5/8\NC	66	6600160	1	SHFT\24X1-3/4\ROCKEZE
31	4900123	1	NUT\HEX\5/8\GR8\NF	67	6600186	1	BRKT\PL\LINKAGE\TOP
32	4900139	1	NUT\TPLCK\3/4\GR8\NC	68	6600188	2	HUB\ROCKWHL\WELDMENT
33	5000001	33	WASH\FLAT\3/8	69	6600203	1	ROD\ADJ\ROCKPLATE
34	5000002	2	WASH\FLAT\5/8				
35	5000004	102	WASH\FLAT\1/2	71	7501057	1	CLEVIS\5/8PIN\5/8-18ROD
36	5000006	29	WASH\LOCK\1/2				

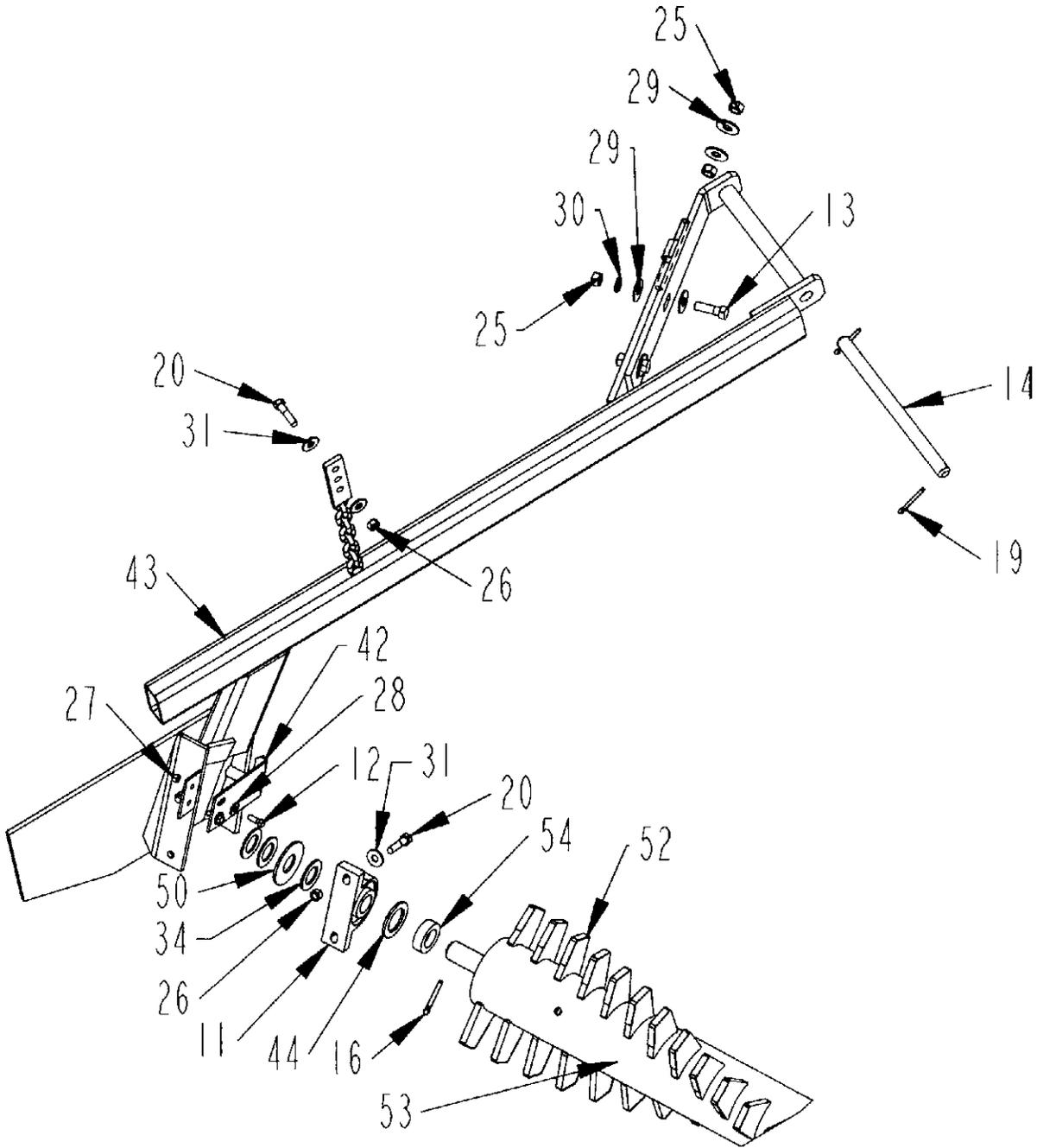
**WINDROWER ASSEMBLY - CHAIN DRIVEN END  
SERIAL NO. AJ330106 THRU**



**WINDROWER ASSEMBLY - CHAIN DRIVEN END  
SERIAL NO. AJ330106 THRU**

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	1000001	1	SPKT\60\B\20\1-1/4\1/4	28	5000001	5	WASH\FLAT\3/8
2	1000106	1	SPKT\60\B\20\1-1/2\3/8\GRIP	29	5000002	6	WASH\FLAT\5/8
3	1000230	2	SPKT\60\14\1-1/4X5/16	30	5000003	2	WASH\LOCK\5/8
4	1100062	1	CHAIN\60\CL	31	5000004	6	WASH\FLAT\1/2
5	1100064	1	CHAIN\60\DBL\CL	32	5000006	12	WASH\LOCK\1/2
6	1100143	1	CHAIN\60 PITCH\81 LINK	33	5000007	1	WASH\1-1/4\MACH\BUSH
7	1100219	1	CHAIN\60\DBL\11	34	5000008	16	WASH\MACH\1-1/2\IDX10GA\NR
8	2000021	1	BUSH\1-1/4\IDX1-1/8L	35	5000014	2	WASH\FLAT\1
9	2000303	1	BRG\FLG\1-1/2\BOLT	36	5000019	3	WASH\LOCK\3/8
10	2000305	3	BRG\FLG\1-1/4\BOLT	37	6200004	2	KEY\SQ\5/16X1-1/2
11	2000511	1	BRG\PB\1-1/2\2BOLT\MALLEABLE	38	6200005	1	KEY\SQ\1/4X1-1/2
12	4800003	2	BOLT\HEX\3/8X1	39	6200007	1	KEY\SQ\3/8X1-1/2
13	4800010	2	BOLT\HEX\5/8X2	40	6600021	1	RAKE\LIFT\LINKAGE
14	4800028	1	PIN\HANGER\BRNG\WNRWR	41	6600022	1	ROD\RAKE\ADJ
15	4800042	2	PIN\HAIR\1/4	42	6600026	1	SHLD\BRNG\WNRWR
16	4800066	3	PIN\COT\5/16X2	43	6600066	1	BRNG\HNGR\3106
17	4800070	4	BOLT\HEX\1/2X2-1/2	44	6600067	1	RUBBER\SHIELD
18	4800082	6	BOLT\HEX\1/2X1-1/2	45	6600077	1	HSG\CHAIN\WNRWR\3106
19	4800103	2	PIN\COT\1/4X2	46	6600078	1	ADJ\CHN\BATH\OIL\3106
20	4800114	4	BOLT\HEX\1/2X2	47	6600079	1	CVR\BATH\OIL
21	4800201	4	BOLT\CRG\1/2X1-3/4\NC\GR5	48	6600080	1	PLUG\PLSTC\CAPLUG\1-3/8"
22	4800202	3	BOLT\HEX\3/8X5	49	6600086	1	OIL BATH GASKET
23	4900001	14	NUT\HEX\1/2\NC	50	6600121	1	WASH\3-5/8X1-17/32\7GA
24	4900002	3	NUT\HEX\3/8\NC	51	6600161	1	SHAFT\DRIVE\WNRWR
25	4900005	4	NUT\HEX\5/8\NC	52	6600204	96	TOOTH\RAKE\H106\HRDFACE
26	4900014	6	NUT\TPLCK\1/2\NC	53	6600205	1	RAKE\3106\HARDFACE
27	4900030	2	NUT\NYLCK\3/8\NC	54	LOCK_COLLAR	2	COLLAR\LOCK\1-1/2" BEARING, included in 2000303 & 2000511

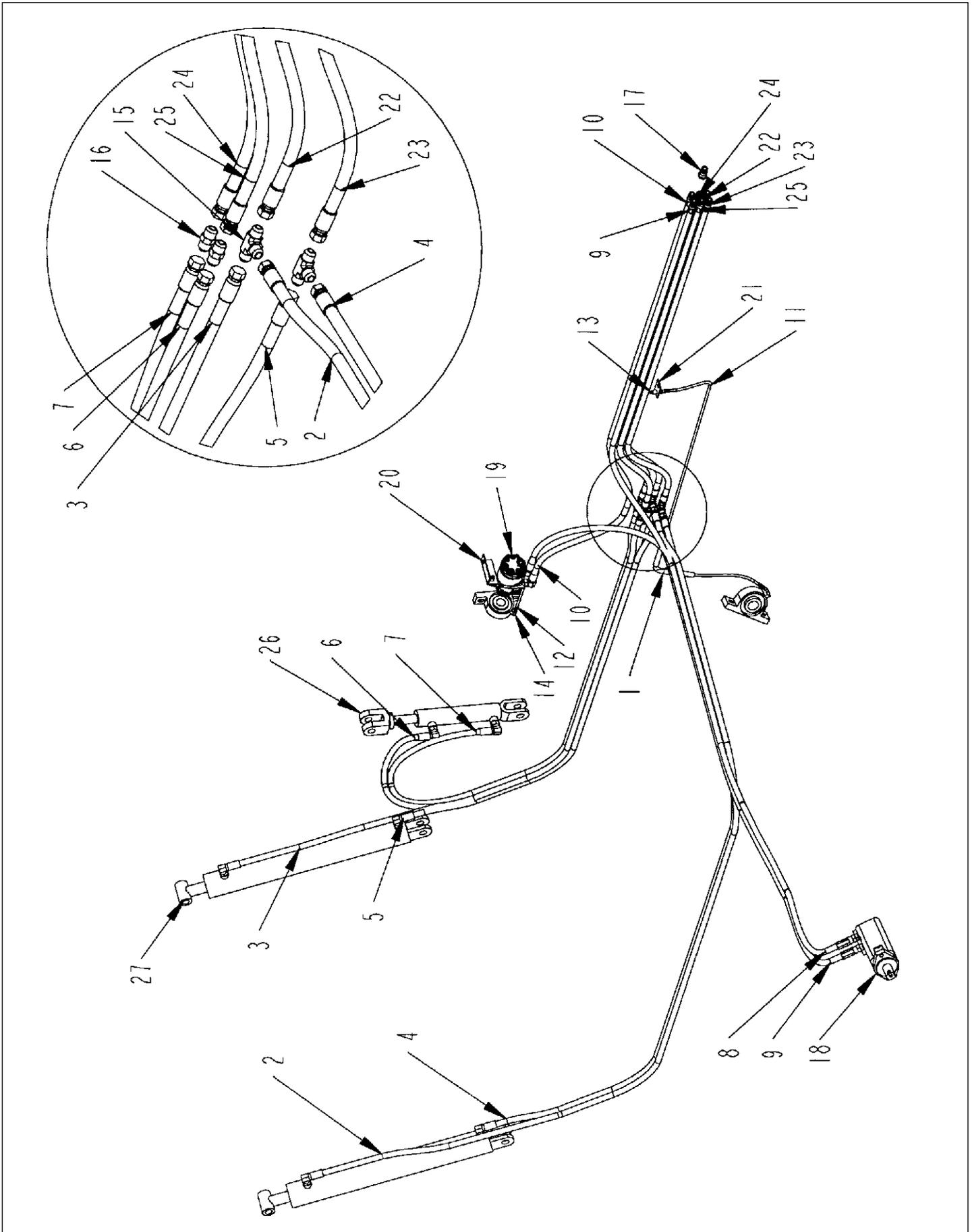
**WINDROWER ASSEMBLY - UNDRIVEN END  
SERIAL NO. AJ330106 THRU**



**WINDROWER ASSEMBLY - UNDRIVEN END  
SERIAL NO. AJ330106 THRU**

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	1000001	1	SPKT\60\B\20\1-1/4\1/4	27	4900023	2	NUT\TPLCK\3/8\NC
2	1000106	1	SPKT\60\B\20\1-1/2\3/8\GRIP	28	5000001	5	WASH\FLAT\3/8
3	1000230	2	SPKT\60\14\1-1/4X5/16	29	5000002	6	WASH\FLAT\5/8
4	1100062	1	CHAIN\60\CL	30	5000003	2	WASH\LOCK\5/8
5	1100064	1	CHAIN\60\DBL\CL	31	5000004	6	WASH\FLAT\1/2
6	1100143	1	CHAIN\60 PITCH\81 LINK	32	5000006	12	WASH\LOCK\1/2
7	1100219	1	CHAIN\60\DBL\11	33	5000007	1	WASH\1-1/4\MACH\BUSH
8	2000021	1	BUSH\1-1/4IDX1-1/8L	34	5000008	15	WASH\MACH\1-1/2IDX10GAINR
9	2000303	1	BRG\FLG\1-1/2\BOLT	35	5000014	2	WASH\FLAT\1
10	2000305	3	BRG\FLG\1-1/2\BOLT	36	5000019	3	WASH\LOCK\3/8
11	2000511	1	BRG\PB\1-1/2\2BOLT\MALLEABLE	37	6200004	2	KEY\SQ\5/16X1-1/2
12	4800003	2	BOLT\HEX\3/8X1	38	6200005	1	KEY\SQ\1/4X1-1/2
13	4800010	2	BOLT\HEX\5/8X2	39	6200007	1	KEY\SQ\3/8X1-1/2
14	4800028	1	PIN\HANGER\BRNG\WNRWR	40	6600021	1	RAKE\LIFT\LINKAGE
15	4800042	2	PIN\HAIR\1/4	41	6600022	1	ROD\RAKE\ADJ
16	4800066	3	PIN\COT\5/16X2	42	6600026	1	SHLD\BRNG\WNRWR
17	4800070	4	BOLT\HEX\1/2X2-1/2	43	6600066	1	BRNG\HNGR\H106
18	4800082	6	BOLT\HEX\1/2X1-1/2	44	6600067	1	RUBBER\SHIELD
19	4800103	2	PIN\COT\1/4X2	45	6600077	1	HSG\CHAIN\WNRWR\H106
20	4800114	4	BOLT\HEX\1/2X2	46	6600078	1	ADJ\CHN\BATH\OIL\H106
21	4800201	4	BOLT\CRG\1/2X1-3/4\NC\GR5	47	6600079	1	CVR\BATH\OIL
22	4800202	3	BOLT\HEX\3/8X5	48	6600080	1	PLUG\PLSTC\CAPLUG\1-3/8"
23	4900001	14	NUT\HEX\1/2\NC	49	6600086	1	OIL BATH GASKET
24	4900002	3	NUT\HEX\3/8\NC	50	6600121	1	WASH\3-5/8X1-17/32\7GA
25	4900005	4	NUT\HEX\5/8\NC	51	6600161	1	SHAFT\DRIVE\WNRWR
26	4900014	6	NUT\TPLCK\1/2\NC	52	6600204	96	TOOTH\RAKE\H106\HRDFACE
				53	6600205	1	RAKE\3106\HARDFACE
				54	LOCK_COLLAR	2	COLLAR\LOCK\1-1/2" BEARING, included in 2000303 & 2000511

# HYDRAULIC ASSEMBLY 1



**HYDRAULIC ASSEMBLY 1**

**SERIAL NUMBER AJ3351 AND UP**

ITEM	PART NO.	QTY.	DESCRIPTION
1	3700179	1	HOSE\EVA\3/8
2	3700546	1	HOSE\HYD\1/2X164\90MOR-FJIC
3	3700547	1	HOSE\HYD\1/2X120\90MOR-FJIC
4	3700549	1	HOSE\HYD\1/2X140\90MOR-FJIC
5	3700550	1	HOSE\HYD\1/2X94\90MOR-FJIC
6	3700551	1	HOSE\HYD\1/2X109\90MOR-FJIC
7	3700552	1	HOSE\HYD\1/2X116\90MOR-FJIC
8	3700553	1	HOSE\HYD\1/2X119\MOR-90MOR
9	3700554	1	HOSE\HYD\1/2X215\MOR-MOR
10	3700555	1	HOSE\HYD\1/2X154\MOR-90MOR
11	3700566	1	HOSE\LUBE\1/8X72\MPS-MPS
12	3700567	1	HOSE\LUBE\1/8X15\MPS-MPS
13	3800043	2	FTG\LUB\1/8MPXZRK\SHORT
14	3800111	4	FTG\1/8MPX\1/8FP\90D\ST;EL
15	3800692	2	FTG\3/4M\JIC\TEE
16	3800693	2	FTG\3/4M\JIC\NPPL
17	3800694	6	FTG\3/4FOR\QUICK\CPLR
18	3900007	1	MTR\HYD\14.9\2000\1WAY
19	3900031	1	MTR\HYD\101-1011\5.9CI
20	6600215	1	BRKT\GREASE\HOSE
21	6600216	1	BRKT\GREASE\HOSE
22	3700548	1	HOSE\HYD\1/2X125\MOR-FJIC
23	3700548	1	HOSE\HYD\1/2X125\MOR-FJIC
24	3700548	1	HOSE\HYD\1/2X125\MOR-FJIC
25	3700548	1	HOSE\HYD\1/2X125\MOR-FJIC
26	4100210	1	CYL\HYD\2X8\1-1/4RD\WELDED\#8 ORB\PARALLEL
	4100226		CYL\HYD\2X8\1-1/4RD\WLDWELD\#8 ORB
	4100228		SEAL\KIT\2X8\1-1/4RD\CTD for 4100226
27	4100211	2	CYL\HYD\3X24\1-1/2RD\WELD\#8 ORB\PERP
	4100225		CYL\HYD\3X24\1-1/2RD\WLDWELDED\#8 ORB
	4100227		SEAL\KIT\3X24\1-1/2RD\CTD for 4100225

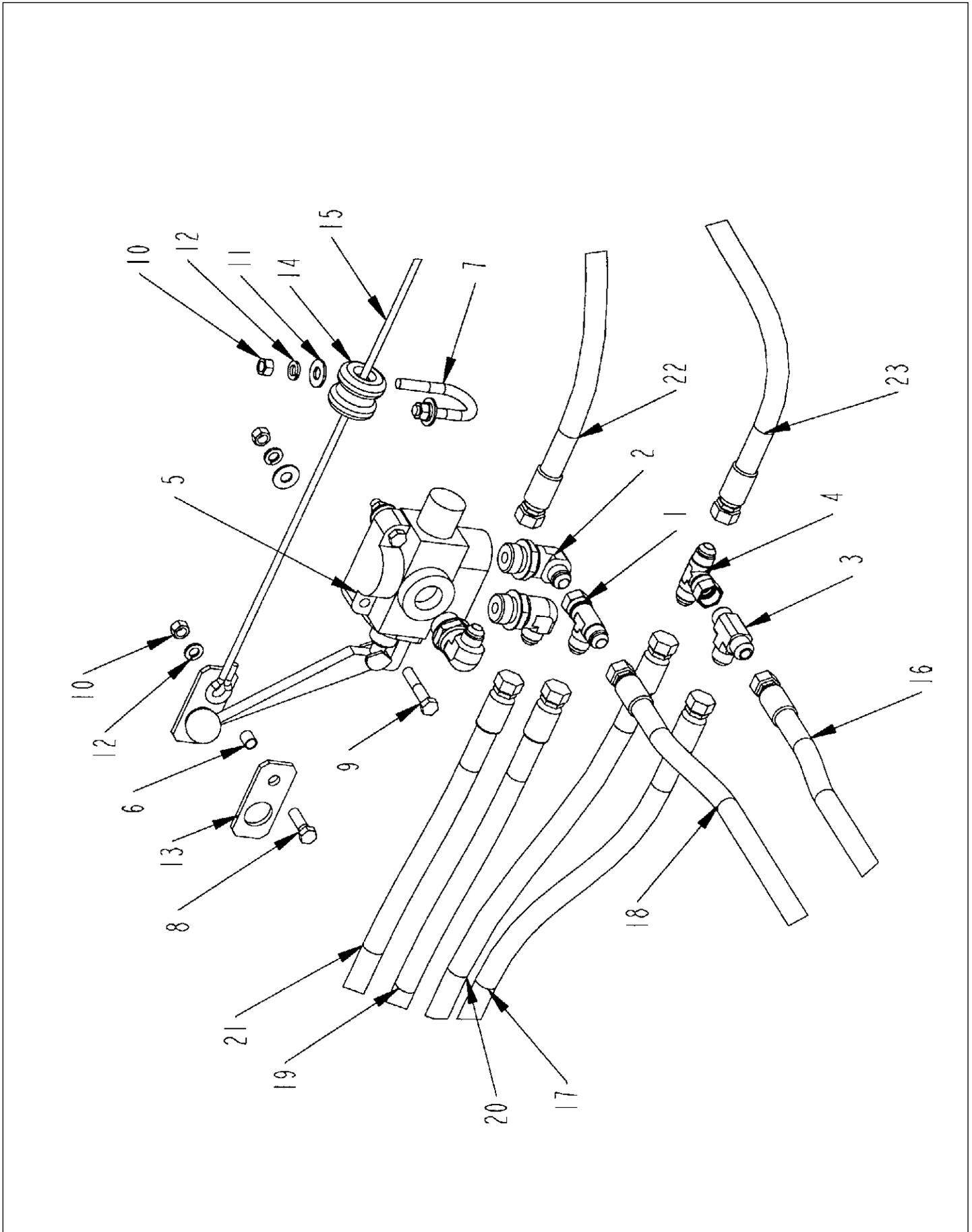
**SERIAL NUMBER AJ3301 TO AJ3351**

ITEM	PART NO.	QTY.	DESCRIPTION
2	3700572	1	HOSE\HYD\1/2X164\90MPS\1/2MPS90-3/4FJICS
3	3700573	1	HOSE\HYD\1/2X120\90MPS\1/2MPS90-3/4FJICS
4	3700574	1	HOSE\HYD\1/2X140\90MPS\1/2MPS90-3/4FJICS
5	3700575	1	HOSE\HYD\1/2X94\90MPS\1/2MPS90-3/4FJICS
6	3700576	1	HOSE\HYD\1/2X120\90MPS\1/2MPS90-3/4FJICS
7	3700577	1	HOSE\HYD\1/2X120\90MPS\1/2MPS90-3/4FJICS
26	4100073	1	CYL\HYD\2X8\WELDED\1/2 FP
27	4100085	1	CYL\HYD\3X24\WELD\1/2 FP

**Not Shown**

ITEM	PART NO.	QTY.	DESCRIPTION
	3700545		HOSE\KIT\MAIN\3106
	3800102		FTG\1/8FP\CPLG\LW

# HOPPER DUMP VALVE (OPTION)



## HOPPER DUMP VALVE (OPTION)

### SERIAL NO. AJ3351 AND UP

ITEM	PART NO.	QTY.	DESCRIPTION
1	3800484	1	FTG\3/4FJICSX3/4MJICX3/4MJIC\RUN;TEE
2	3800536	3	FTG\1-1/16MORX3/4MJIC\90
3	3800692	1	FTG\TEE\MJIC\UNION
4	3800695	1	FTG\3/4MJIC3/4MJIC3/4FJICS\BR;TEE
5	4000115	1	VALVE\HYD\SLCTR\1-1/16FOR
6	4600089	1	SPCR\3/8IDX1/2"LX20GA
7	4800067	1	BOLT\U\3/8\1-1/4IDX2OD
8	4800098	1	BOLT\HEX\3/8X1-1/4\NC
9	4800146	2	BOLT\HEX\3/8X2
10	4900002	5	NUT\HEX\3/8\NC
11	5000001	4	WASH\FLAT\3/8
12	5000019	5	WASH\LOCK\3/8
13	6600147	2	ADPT\ROPE\LEVER\HYD\3106
14	7500212	1	PORECLAIN SPOOL (GUIDE)
15	7500217	1	1/4 ROPE X 14 FT
16	3700546	1	HOSE\HYD\1/2X164\90MORS To Right Dump Cyl Rod End
17	3700547	1	HOSE\HYD\1/2X120\90MORS To Left Dump Cyl Rod End
18	3700549	1	HOSE\HYD\1/2X140\3/4MOR90 To Right Dump Cyl Butt End
19	3700550	1	HOSE\HYD\1/2X94\3/4MOR90 To Left Dump Cyl Butt End
20	3700551	1	HOSE\HYD\1/2X109\3/4MOR90 To Rockwheel Cyl Rod End
21	3700552	1	HOSE\HYD\1/2X116\3/4MOR90 To Rockwheel Cyl Butt End
22	3700548	1	HOSE\HYD\1/2X125\3/4MOR To Tractor
23	3700548	1	HOSE\HYD\1/2X125\3/4MOR To Tractor
	<b>6600150</b>		<b>KIT\VALVE\DUMP\3106</b> <b>includes items 1-15</b>

### SERIAL NUMBER AJ3301 TO AJ3351

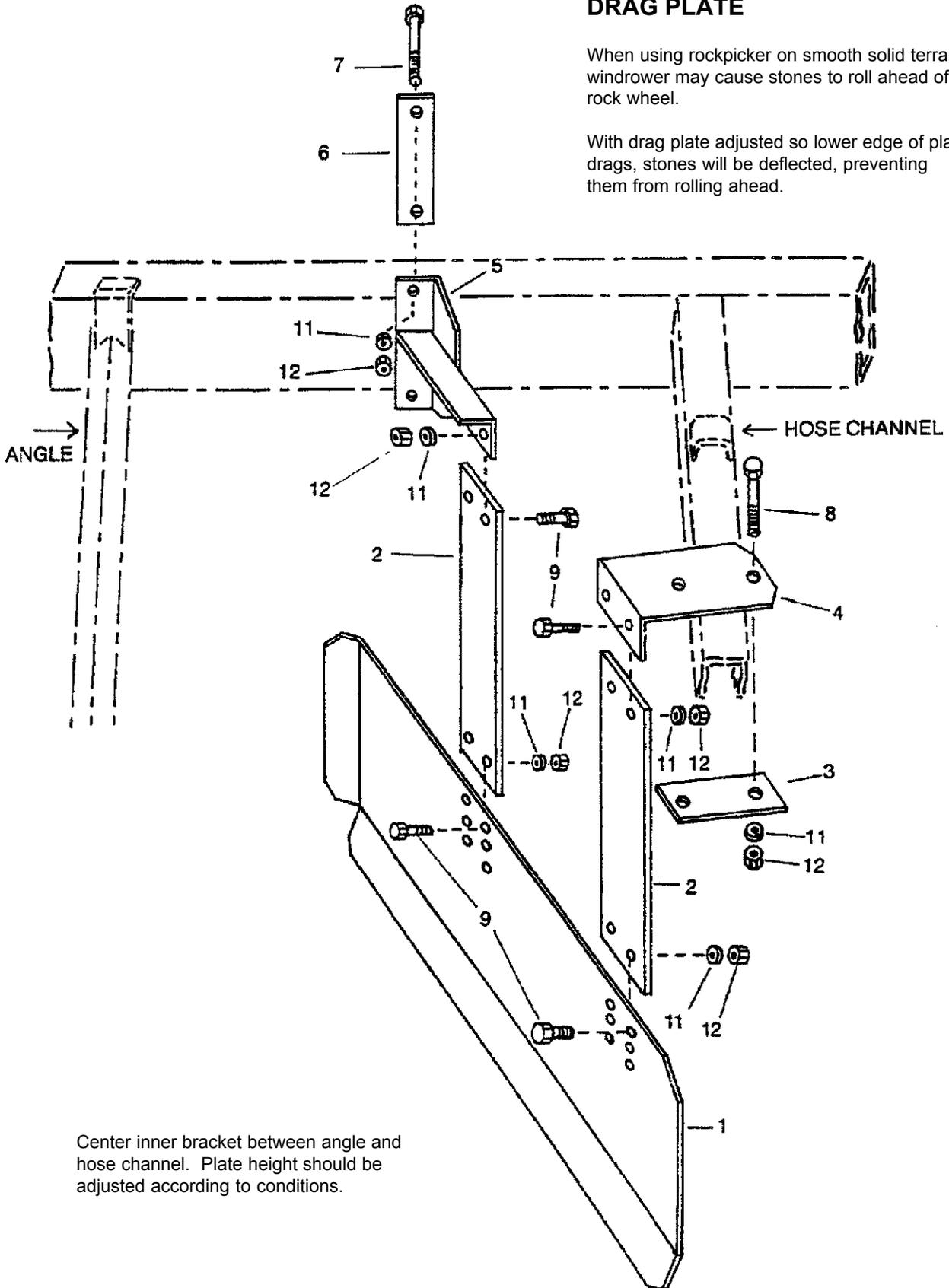
ITEM	PART NO.	QTY.	DESCRIPTION
16	3700572	1	HOSE\HYD\1/2X164\90MPS\1/2MPS90-3/4FJICS To Right Dump Cyl Rod End
17	3700573	1	HOSE\HYD\1/2X120\90MPS\1/2MPS90-3/4FJICS To Left Dump Cyl Rod End
18	3700574	1	HOSE\HYD\1/2X140\90MPS\1/2MPS90-3/4FJICS To Right Dump Cyl Butt End
19	3700575	1	HOSE\HYD\1/2X94\90MPS\1/2MPS90-3/4FJICS To Left Dump Cyl Butt End
20	3700576	1	HOSE\HYD\1/2X120\90MPS\1/2MPS90-3/4FJICS To Rockwheel Cyl Rod End
21	3700577	1	HOSE\HYD\1/2X120\90MPS\1/2MPS90-3/4FJICS To Rockwheel Cyl Butt End

## DRAG PLATE (OPTION)

### DRAG PLATE

When using rockpicker on smooth solid terrain, windrower may cause stones to roll ahead of rock wheel.

With drag plate adjusted so lower edge of plate drags, stones will be deflected, preventing them from rolling ahead.



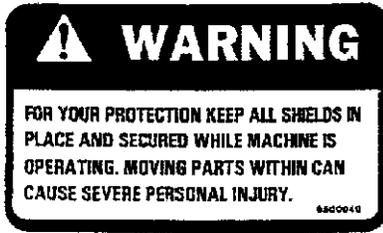
Center inner bracket between angle and hose channel. Plate height should be adjusted according to conditions.

**DRAG PLATE (OPTION)**

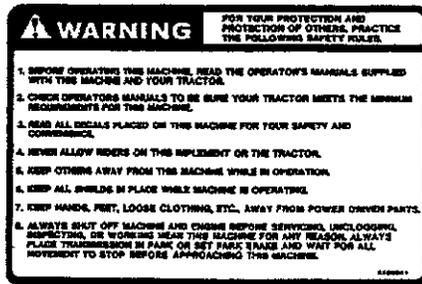
<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
	6600217	1	Drag Plate Kit-3106
1	6600095	1	Drag Plate
2	6600096	2	Rubber Hanger
3	6600097	1	Outer Mount Strap
4	6600098	1	Outer Mount Bracket
5	6600099	1	Inner Mount Bracket
6	6600100	1	Inner Mount Strap
7	4800152	2	3/8" x 4-1/2" Hex Bolt
8	4800226	2	3/8" x 5-1/2" Hex Bolt
9	4800034	8	3/8" x 1-1/2" Hex Bolt
10	5000001	8	3/8" Flat Washer
11	5000019	12	3/8" Lock Washer
12	4900002	12	3/8" Hex Nut



① 6500020



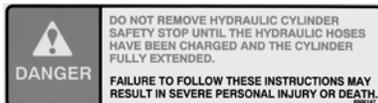
② 6500040



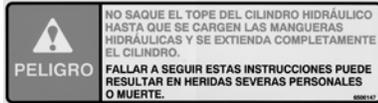
③ 6500041



④ 6500046



⑤ 6500147



⑥ 6500302



⑦ 6500319



⑧ 6500105



⑨ 6500052

6500052

## DECALS

ITEM	PART NO.	QTY.	DESCRIPTION
1	6500020	1	HAYBUSTER WITH SUNBURST
2	6500040	2	WARNING KEEP ALL SHIELDS IN PLACE
3	6500041	1	WARNING FOR YOUR PROTECTION
4	6500046	1	ROCK-EZE
5	6500147	1	CYLINDER SAFETY STOP
6	6500302	4 FT.	DECAL\LOGO\STRIP\RD&BLK
7	6500319	1	DECAL\LOGO\3106\SLTD\BLCK
8	6500105	2	ROCK-EZE (Round White)
9	6500052	1	OIL LEVEL





