



HAYBUSTER[®]

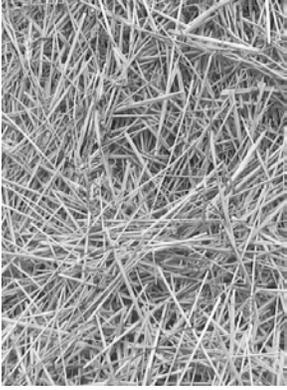
256 *plus* II[™]

BIG BALE BUSTER[™]

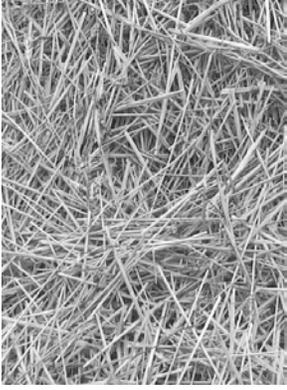
Operating Instructions and Parts Reference

Serial Numbers 101 - 2742





HAYBUSTER[®]
A Tradition of Innovation Since 1966



HAYBUSTER[®]

256 *Plus* **II**

BIG BALE BUSTER

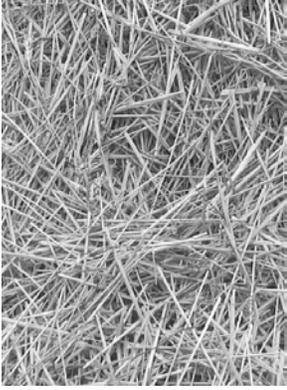
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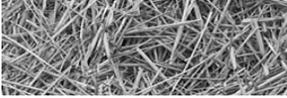
DuraTech Industries International Inc. (DuraTech Industries) has made every effort to assure that this manual completely and accurately describes the operation and maintenance of the **BIG BALE BUSTER** as of the date of publication. DuraTech Industries reserves the right to make updates to the machine 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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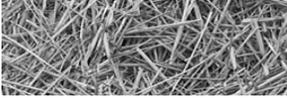


256 PLUS II BALE BUSTER

DELIVERY AND SERVICE REPORT

INSTRUCTIONS: Before delivering the machine, check the following items carefully and make corrections when necessary. Place an “X” in the box after each item has been checked and found to be acceptable.

- Check machine for shortage or damage in transit.
- Check for loose bolts or set screws
- Check all hydraulic components for leaks or damage
- Check lug bolts for tightness
- Check tires for proper air pressure
- Check condition of tire rims
- Check machine for proper lubrication
- Check all chains for proper adjustment
- Check all belts for proper adjustment (bunk feeder attachment)
- Check all shields for installation and condition
- Check condition of all decals
- Check all phases of operation



256+II SHIPPING LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	3600200	1	PTO SHAFT WALTERSHIED
2	4800373	6	7/16" X 13/4" GR. 8 BOLTS
3	5000091	6	7/16" GR. 8 LOCK WASHER
4	4900093	6	7/16" GR. 8 NUT
5	8100389	1	FORK TINE - R.H.
6	8100396	1	FORK TINE - L.H.
7	8100204	2	TINE HINGE PIN
8	8100205	2	TINE ANCHOR PIN
9	4800107	2	1/8" HAIR PIN
10	4800043	2	1/4" X 2-1/2" COTTER PIN
11	4800156	2	3/8" X 3" BOLT
12	5000001	8	3/8" FLAT WASHER
13	5000019	4	3/8" LOCK WASHER
14	4900002	4	3/8" NUT
15	7500170	1	HOSEMINDER, PIGTAIL
16	4800082	1	1/2" X 1-1/2" BOLT
17	5000004	2	1/2" FLAT WASHER
18	5000006	1	1/2" LOCK WASHER
19	4900001	1	1/2" NUT
20	8100199	1	PTO SHIELD
21	4800003	2	3/8" X 1" GR. 5 HEX BOLT

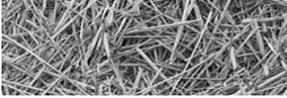


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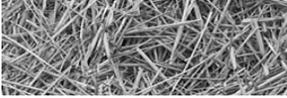
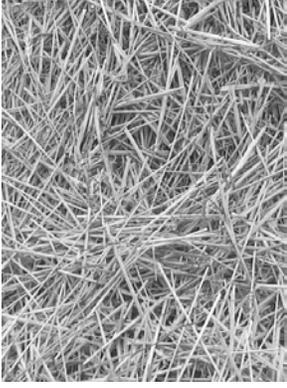


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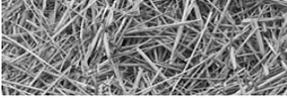
HAYBUSTER[®]

256 *Plus* **II**

BIG BALE BUSTER

Serial Numbers 101 - 2742

**Part 1:
Operating Instructions**



SECTION 1 SAFETY INSTRUCTIONS

The safety of the operator is of great importance to Haybuster Manufacturing Company. We have provided decals, shields 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.

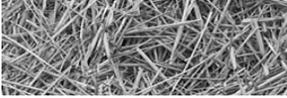
WARNING: BEFORE ATTEMPTING TO OPERATE THIS MACHINE, CAREFULLY READ ALL INSTRUCTIONS CONTAINED WITHIN THIS MANUAL. ALSO THE INSTRUCTION MANUAL PROVIDED WITH YOUR TRACTOR.

BEFORE OPERATING

1. Read and follow all instructions contained in:
 - a. this 256 Bale Buster operator's manual
 - b. tractor operator's manual
 - c. decals placed on the Bale Buster.

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

2. Allow only responsible, properly instructed individuals to operate your machine. Carefully supervise inexperienced operators.
3. Use a tractor which meets the tractor requirement contained within this manual. Additional weights may be necessary.
4. 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.
5. Be sure all bystanders and other workers are clear before starting tractor and bale buster.
6. Make no modifications to the machine unless specifically recommended or requested by Haybuster Manufacturing Company.
7. Check periodically for breaks or unusual wear and make any necessary repairs.
8. Be sure the unit is securely attached to a tractor of equal or greater weight than the bale buster and bale.
9. Attach PTO safety chain.

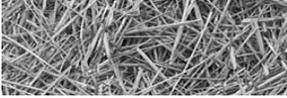


DURING OPERATION

1. Enforce the following safety precautions and others contained in this manual to prevent serious personal injury or death due to accidental contact with rotating flails.
 - a. Everyone must be kept clear of work area except operator seated at tractor controls.
 - b. Never work on or near bale buster unless engine is shut off and flails stopped.
 - c. Disengage PTO and make sure everyone is clear of machine before starting engine.

2. Enforce the following safety precautions and others contained in this manual to prevent injury due to accidental contact with flying material thrown by flails.
 - a. Keep bystanders away from work area.
 - b. Keep shield in place and in good condition.
 - c. Watch out for and avoid any object that might interfere with the proper operation of the machine.
 - d. Replace missing or damaged flails.

3. Power takeoff shafts must be locked in place with protective PTO shields in place.
4. Keep hands, feet and clothing away from power driven parts.
5. Never leave tractor controls unattended while the engine is running.
6. Never allow riders on the machine at any time.
7. Be sure the tractor operator is the only person riding on the tractor.
8. Exercise extreme care when operating on rough and/or steep terrain. Avoid operation on terrain which is excessively rough or steep.
9. Make sure your tractor PTO speed never exceeds 1000 rpm.

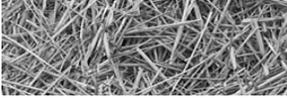


DURING SERVICE & MAINTENANCE

1. Before working on or near the bale buster for any reason, including servicing, cleaning, unplugging or inspecting machine, use normal shut-down procedures unless instructed differently in this manual.
2. Check periodically and tighten any loose bolts or connections.
3. Use only replacement parts that are recommended by Haybuster Manufacturing Company.
4. If it is necessary to operate the tractor engine indoors for more than a few seconds, be sure to provide enough ventilation to remove the tractor exhaust fumes.
5. 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.
6. Relieve all pressure in the hydraulic system before disconnecting the hose or performing other work on the system. Make sure all connections are tight and the hose is in good condition before applying pressure to the system.

DURING TRANSPORT

1. Use good judgment and drive slowly over rough or uneven terrain.
2. Be sure tractor brakes are properly adjusted and foot pedals locked together.
3. Check your state laws regarding the use of lights, slow moving vehicle sign, safety chain and other possible requirements. During transport, it is recommended that the deflector be pivoted into the processor to insure 8' towing width.
4. When preparing implement for transport, always use cylinder safety stop to secure bale loader in raised position. **Do not remove hydraulic cylinder safety stop until hydraulic hoses have been charged and cylinder is fully extended.**



SAFETY DECALS

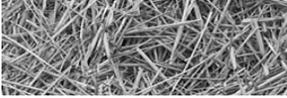
The safety decals located on your machine contain important and useful information that will help you operate your equipment safely.

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

1. Keep decals clean. Use soap and water - not mineral spirits, adhesive cleaners and other similar cleaners that will damage the decal.
2. 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 also be clean and dry.
3. When replacing a machine component to which a decal is attached, be sure to also replace the decal.
4. Replacement decals can be purchased from your Haybuster dealer.

WARNING: FAILURE TO COMPLY WITH THE ABOVE SAFETY INSTRUCTIONS OR THOSE THAT FOLLOW WITHIN THIS MANUAL COULD RESULT IN SEVERE PERSONAL INJURY OR DEATH.

THIS MACHINE IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS INTENDED AS EXPLAINED IN THE OPERATOR'S MANUAL, ADVERTISING LITERATURE OR OTHER HAYBUSTER WRITTEN MATERIAL PERTAINING TO THE 256 BALE BUSTER.



SECTION 2 INTRODUCTION

Your Model 256 Plus II Bale Buster is designed to load and shred all types of forage including round bales up to 2,000 pounds or 66 inches in length and approximately 78 inches in diameter.

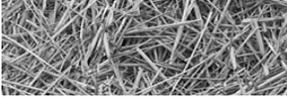
The BALE BUSTER has multiple uses:

1. Laying windrows in open fields.
2. Spreading forage for livestock bedding.
3. Spreading mulch over perennial plants, such as strawberries, mushrooms, etc.
4. Spreading mulch over reclaimed land areas.
5. Filling feed bunks - fenceline, circular, etc.

The purpose of this owner's manual is to explain maintenance requirements and routine adjustments for the most efficient operation of your BALE BUSTER. There is also a trouble shooting section which may help in case of any problems in the field. Any information not covered in this manual may be obtained from your dealer or the factory.

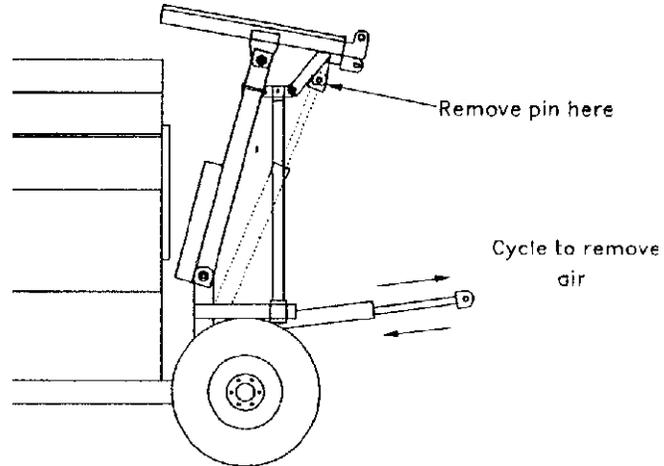
Note: References to left and right are made viewing the unit from the rear end of the machine. Always use serial number and model number when referring to parts or problems.

MODEL 256-Plus II SERIAL NO _____



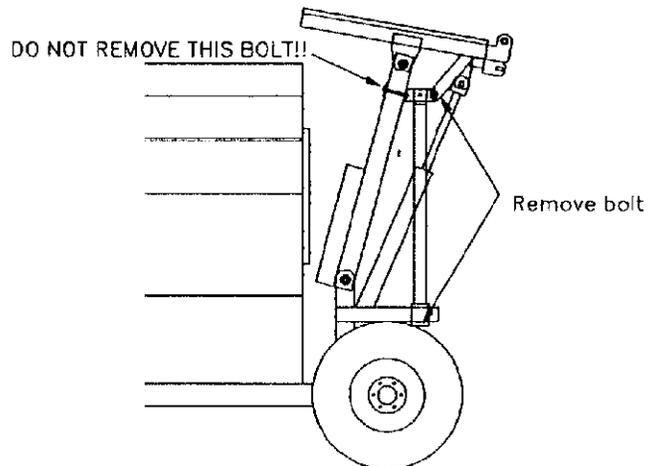
SECTION 3 ASSEMBLY

Figure 3.1
assembly illustration #1

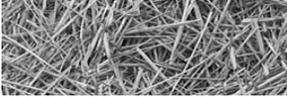


1. Hook 256+11 to tractor. Hook up all hydraulic lines.
2. Remove top pin from hydraulic cylinder. Cycle several times to remove air from hydraulic system.
3. Reinstall cylinder in its original position.

Figure 3.2
assembly illustration #2



4. Remove only the 1/2"x1-1/2" bolts from upper shipping bracket, and remove the 1/2"x5-1/2" bolts from bottom of shipping bracket.



5. Extend cylinder fully. **DO NOT ATTEMPT TO REMOVE SHIPPING BRACKET UNLESS CYLINDER IS FULLY EXTENDED.**
6. Remove shipping bracket.

Figure 3.3
assembly illustration #3

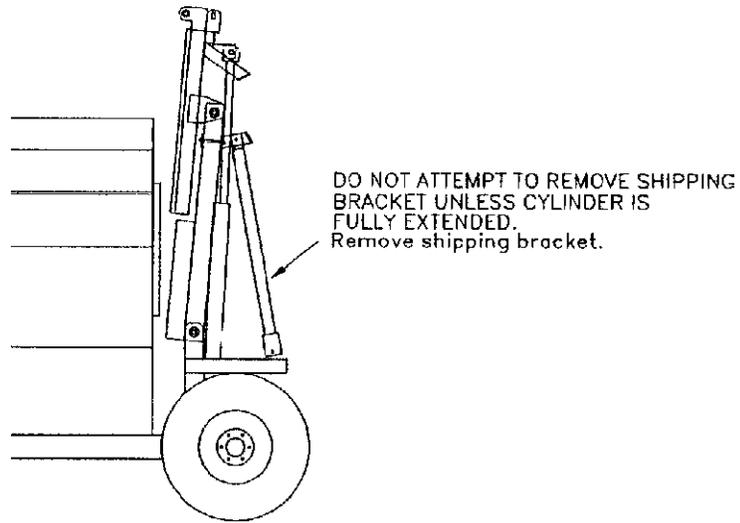
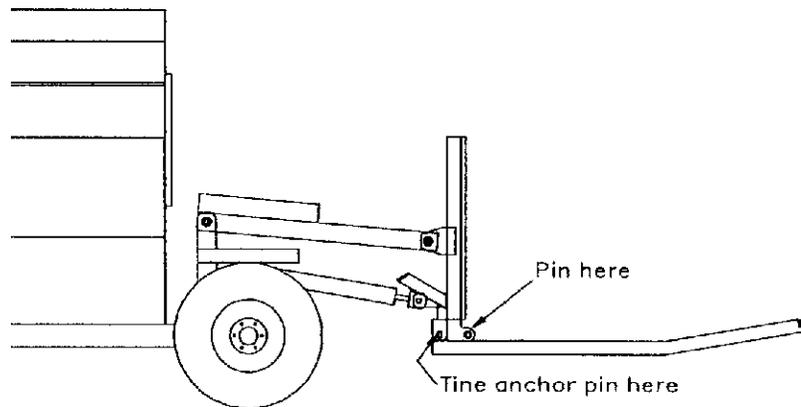


Figure 3.4
assembly illustration #4



MAKE SURE ALL PERSONNEL ARE CLEAR.

7. With hydraulics, lower bale lifter.
8. Unbolt sliding table transport plates and remove. Replace with shorter bolts provided.
9. Pin tines into position and secure with tine anchor pin.

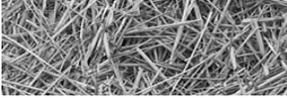
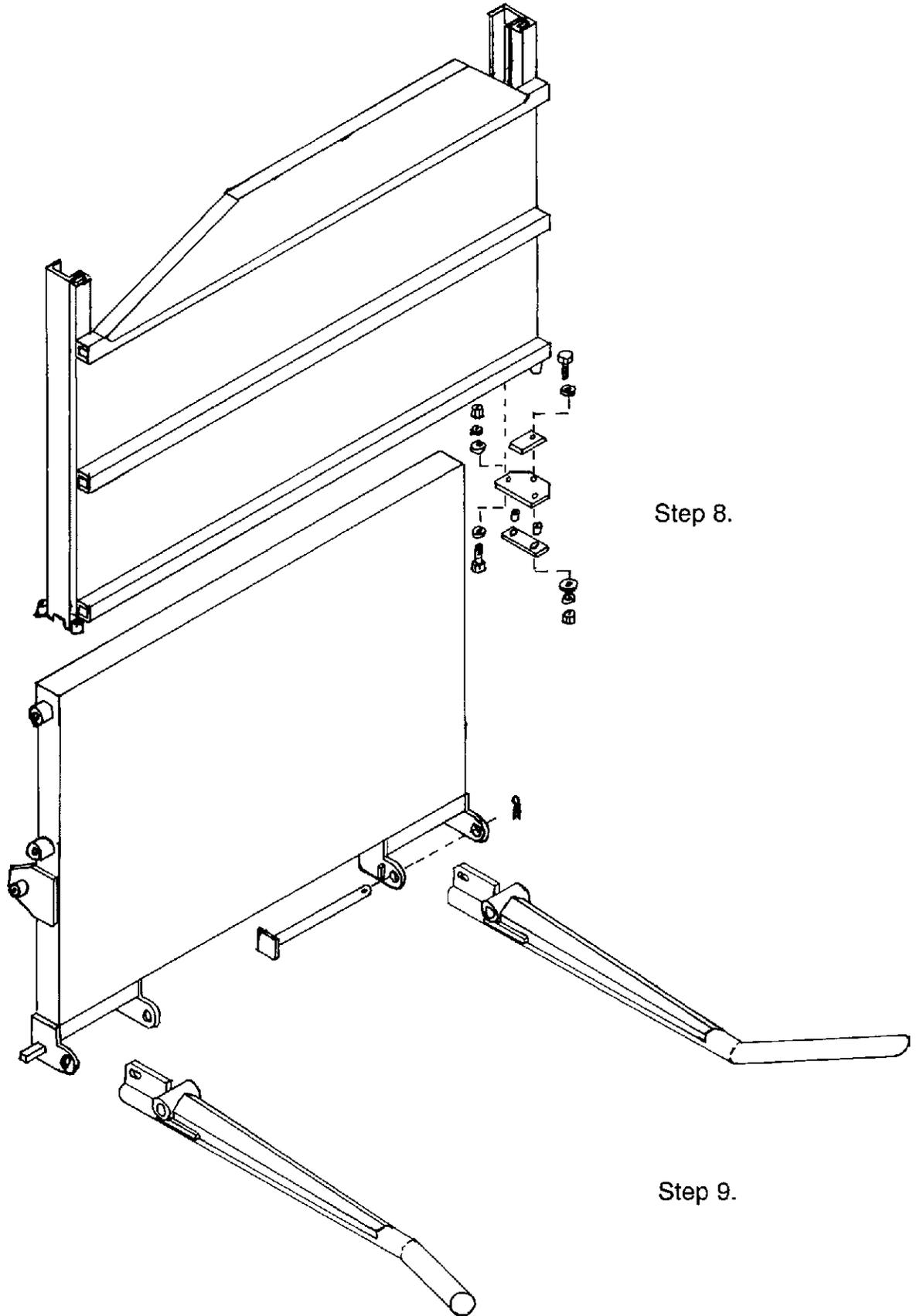
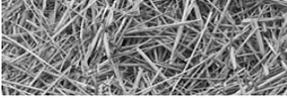


Figure 3.5
assembly illustration #5

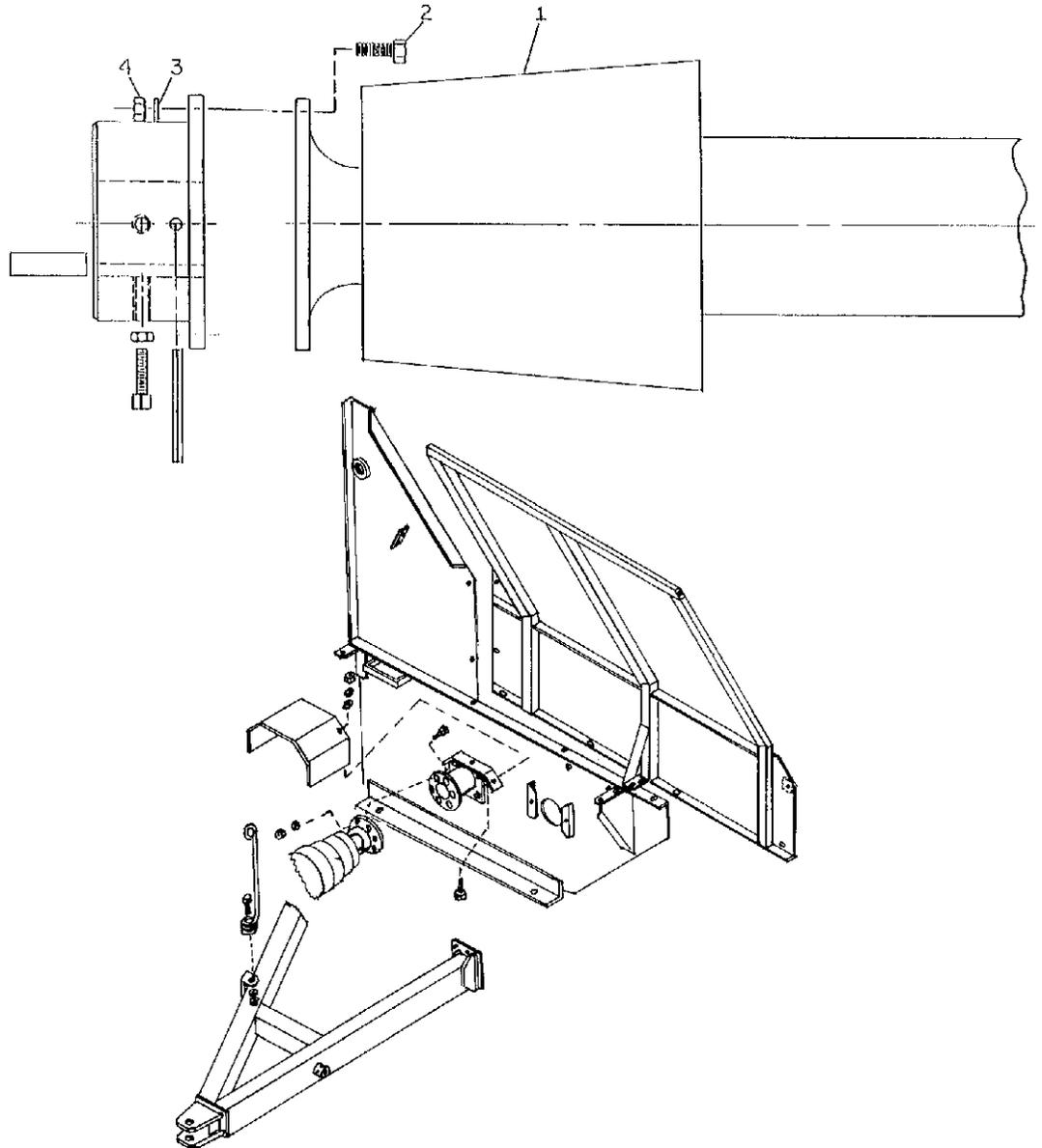


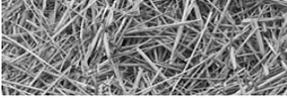


10. Bolt P.T.O. to mounting hub using (6) 7/16 x 1-3/4 Gr. 8 bolts, (6) 7/16 Gr. 8 lock washers, (6) 7/16 Gr. 8 nuts. Tighten nuts to 50 to 60 ft./lbs.
11. Bolt hose minder pig tail to hitch using (1) 1/2"x1-1/2" bolt.
12. Mount safety shield above hub using (2) 3/8"x1" bolts, (4) 3/8" flat washers, (2) 3/8" lock washers, (2) 3/8" nuts.
13. Attach P.T.O. to safety chain.

GREASE P.T.O. BEFORE U S E

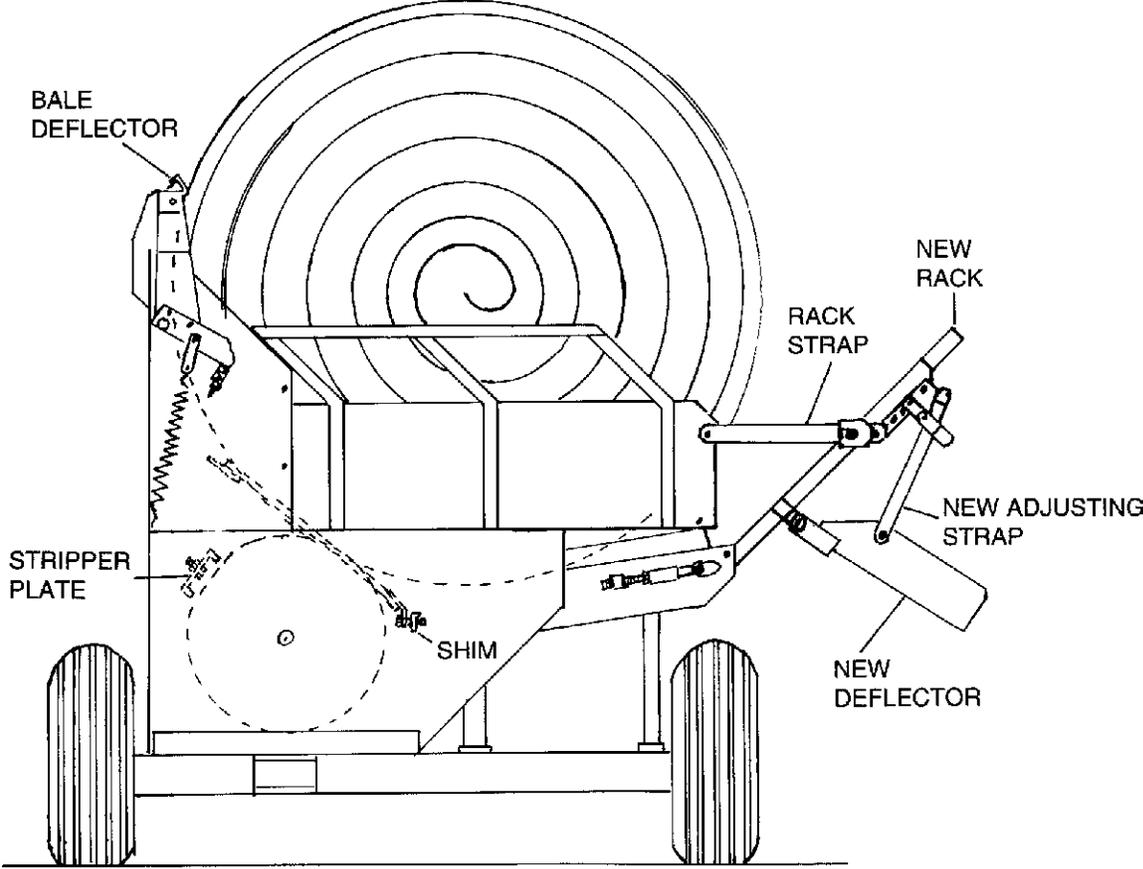
Figure 3.6
assembly illustration #6

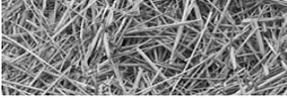




- Using a hoist, pull the deflector and rack assembly out into the operating position. Secure in position with rack strap.

Figure 3.7
assembly illustration #7





SECTION 4 OPERATING INSTRUCTIONS

NORMAL SHUT-DOWN PROCEDURE

For your safety and the safety of others, you must use the following normal shut-down procedure before leaving the tractor controls unattended for any reason, including servicing, cleaning, or inspecting the bale buster. 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.

- a. Disengage PTO.
- b. Lower machine to ground level.
- c. Place transmission in park or set park brake.
- d. Shut off engine and remove key.
- e. Wait for all movement to stop.

PRE-STARTING INSPECTION INSTRUCTIONS

To insure long life and economical operation, we highly recommend the operator of the bale buster 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 bale buster.

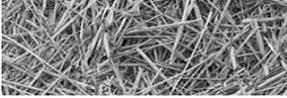
WARNING: Before inspecting the machine, use the normal shut-down procedure on this page.

Check the following:

1. 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.

2. Lug nuts for tightness.
3. Condition of tire rims.
4. Tires for proper air pressure.
5. Installation and condition of flails.



6. Rotor for twine build-up.
7. Chains and belts for proper tension. and condition.
8. Installation and condition of shields.
9. Installation of slow moving vehicle (SMV) sign if required.
10. Condition of decals.
11. Condition of flails and attachment bolts.

TRACTOR SPECIFICATIONS

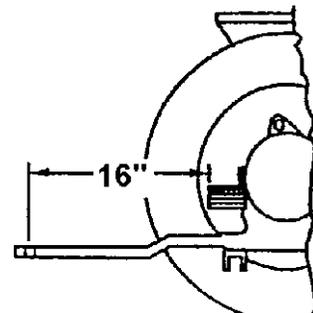
WARNING: Do not operate the bale buster unless the tractor complies with the following requirements:

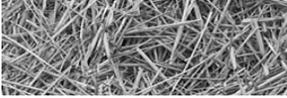
1. Horsepower- 65H.P. minimum.
2. Rollover protective structure and seatbelts.
3. Hydraulic system - 8 gallons per minute (30 liters per minute) minimum, 1500 psi minimum (105 bar) two-way valves.
4. Two sets of two-way hydraulic outlets.
5. The tractor must be of equal or greater weight than the bale buster and bale to assure adequate braking and steering control.
6. Counterbalance weight - It may be necessary to add weight to the front end of your tractor to maintain adequate tractor stability and control. At least 20% of the total weight must remain on the front axle.

MOUNTING INSTRUCTIONS - TRAILER MOUNT

1. Adjust the tractor drawbar so that the distance from the end of the PTO shaft on the tractor to the center of the drawbar hitch pin hole is 16" (41 cm.). Refer to Figure 4.1.

Figure 4.1
safe distance to PTO

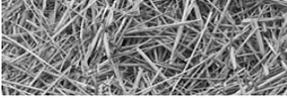




2. Hitch the bale buster to the tractor drawbar. Adjust the hitch so machine is parallel with ground.
3. Raise the jack. Pull the lock pin and store in the transport position. Make sure base of jack is setting on firm surface before unhooking from tractor.
4. Attach the PTO shaft to the tractor PTO shaft. Depress coupling and slide the coupling onto the splined shaft. Make sure the spring loaded safety catch is properly seated.
5. This machine is set up to operate on 1000 rpm only!
6. If required, install the safety chain. Check local regulations regarding safety chain requirements.
7. Connect the two hydraulic hoses from the hydraulic cylinder to one set of hydraulic couplers on the tractor. Connect the two hydraulic hoses from the bale conveyor speed valve to the second set of hydraulic couplers on the tractor.
8. Machines hydraulic system performs two (2) functions. One function raises the bale lifter for loading bales into machine. The second function powers bale conveyor by means of a hydraulic motor. Decreasing speed allows flail knives to chop forage finer, increasing speed leaves forage coarser.
9. Operating tractor at maximum RPM allows machine to do a better job of chopping forage and also keeps a minimum of twine buildup on rotor. Twine buildup should be kept to a minimum to reduce fire hazard.
10. Always operate slat conveyor to rotate bale in direction indicated by arrow on front shield. Reverse direction only if bale is lodged or hesitates to turn.
11. **CAUTION:** Serious injury could result if machine is allowed to tip.

STARTING MACHINE

WARNING: After making all necessary hookups to tractor, be sure rotor chamber is clear of any solid objects. Make sure any bystanders are away from discharge before engaging PTO. Flying objects can cause serious injury or even death.



BALE CONVEYOR SPEED

Bale conveyor speed is set with the bale conveyor speed control valve.

To chop the forage finer, decrease the conveyor speed by rotating the control lever up and to the left. For a coarser cut, increase the conveyor speed by rotating the lever to the right and down.

DEFLECTOR

The deflector assembly can be adjusted for different scattering effects. Raise the deflector for a wider spread. Lower the deflector for a narrower windrow. When bunk feeding an (8300420 optional) 18" wide deflector belt can be added to prevent material from blowing past the bunk.

STRIPPER PLATES

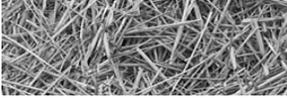
The bale buster comes with one stripper plate standard. For a finer cut, one or two more stripper plates can be added. Space the added stripper plates 4" apart and drill five 17/32" holes for each plate using the plate as a guide. Install the plate with five 1/2" x 1-1/2" bolts, flat washers, lock washers, and nuts.

In applications such as land reclamation, where a very coarse cut is desired, the stripper plate may be removed.

SLUG BARS

The Bale Buster comes standard with four slug bars. Up to seven slug bars can be installed. Increasing the number of slug bars helps hold the base away from the rotor, particularly when shredding wet, tough bales.

The slug bars can also be adjusted to expose more or less of the flail knives to the bale. This is accomplished by adding and subtracting flat washers, from either end of each bar.



SECTION 5 LOADING THE BALE

Step 1.

With bale lifter in its lowest position, back trailer until bale is loaded on the bale tines.

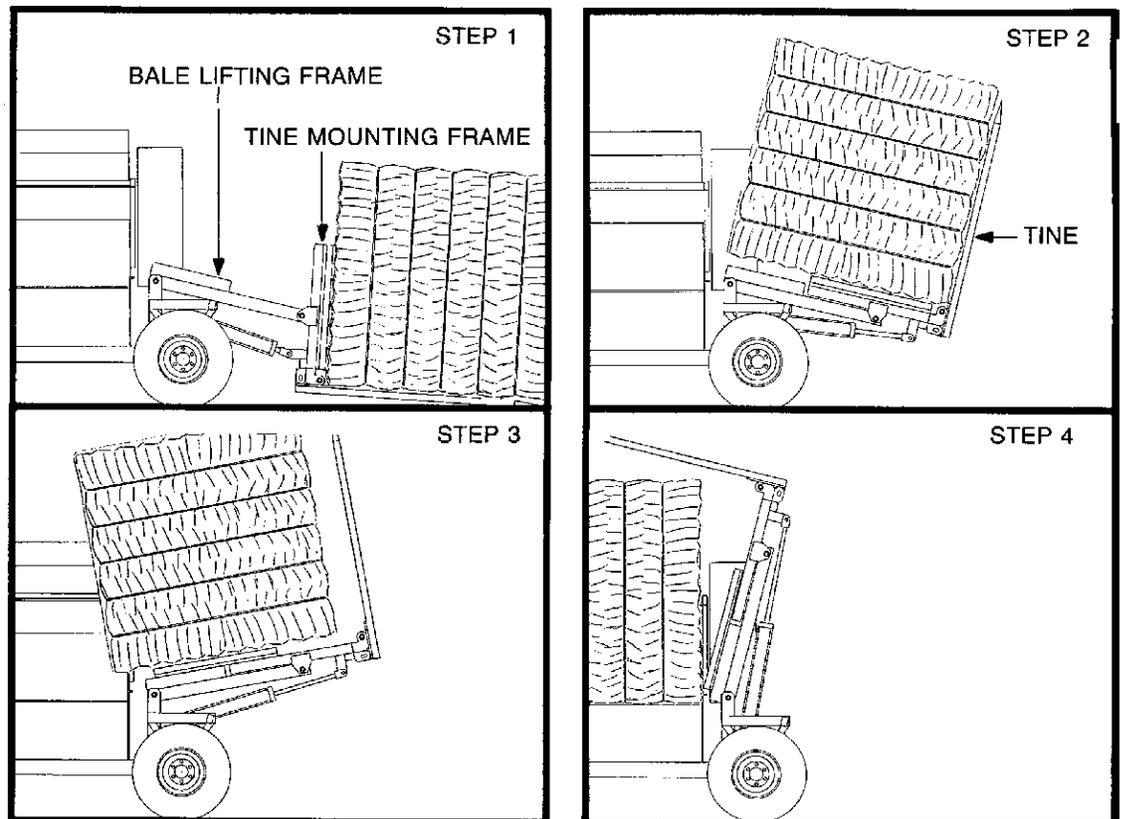
Step 2-3.

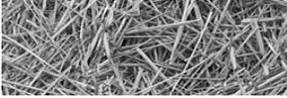
Lift slowly until the bale slides forward. (NOTE: If the bale does not slide forward, the twine may be over the tines. Cut twine at this time to prevent damage to the machine!)

Step 4.

Slowly lift until bale falls into shredding chamber. Continue lifting bale lifter until it stops. This is the correct position for shredding a single bale.

Figure 5.1
loading the bale steps 1-4





Step 5.

To load a second bale, lower bale lifter. Back trailer until bale is loaded on the bale tines.

Step 6.

Lift slowly until Tine Mounting Frame stops against the Bale Lifting Frame. This is the transport position for the second bale.

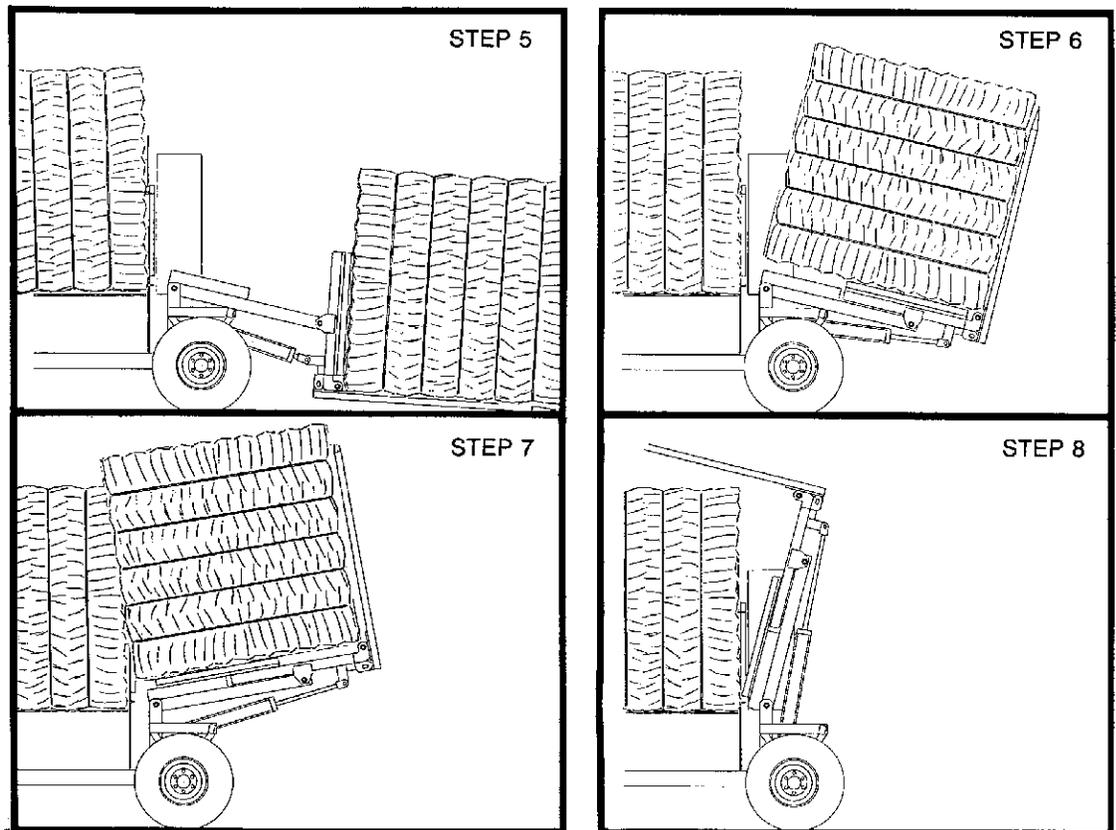
Step 7.

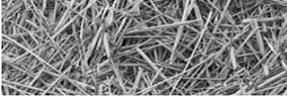
Before starting to shred first bale, slowly lift until second bale slides forward. This will prevent spillage while shredding the first bale.

Step 8.

After the first bale is shredded, repeat Step 4, loading and shredding a single bale.

Figure 5.2
loading the bale steps 5-8





SECTION 6 TRANSPORTATION

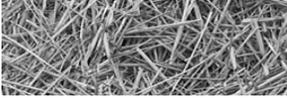
This machine is designed to fold for ease of transportation and storage. The rack and deflector assembly folds inside of bale chamber. The bale lifter folds and locks over the bale chamber. To unfold push bale lifter, hold up safety bar into its storage position, lock in place with spring loaded retainer. Fold out rack and deflector hooking rack straps to the rack. Reverse procedure to fold for transport. To avoid damage to the machine and avoid personal injury use a hoist to fold and unfold the rack.

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.

DETACHING BALE BUSTER

Trailer Mount

1. Follow normal shut-down procedure.
2. Lower jack and secure. Raise the tongue off of the tractor draw bar.
3. Detach the PTO shaft from the tractor.
4. Cycle the hydraulic control levers to release any pressure in the hydraulic hoses.
5. Detach the hydraulic hoses.
6. Remove the safety chain, if installed.
7. Remove the hitch pin.



SECTION 7 STORAGE INSTRUCTIONS

PREPARING FOR STORAGE

WARNING: When preparing machine for storage, use normal shut-down procedure.

Clean all mud, dirt, grease and other foreign material from the exterior of the machine. Cut all twine off from around the rotor. Wash the complete machine. If washing the Bale Buster with a high pressure washer, keep the nozzle away from the sealed bearings. Repaint places where bare metal is exposed - this will inhibit rusting.

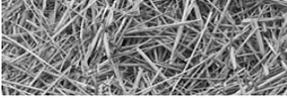
Place the jackstands in the down and in locked position. Block the rear axle up taking the weight off the tires, but do not deflate the tires. If possible, store the machine in a dry, protected place. If it is necessary to store the machine outside, cover it with waterproof canvas, plastic, or other suitable protective material.

Coat exposed lift cylinder rod with grease. Oil chains on conveyor. Lubricate thoroughly according to lubrication instructions. Repack wheel bearings.

Check the machine for any worn or broken parts. 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.

REMOVING FROM STORAGE

1. Remove all protective coverings.
2. Remove blocking from under Bale Buster. Check tire pressure.
3. Lubricate machine in accordance with lubrication instructions found in this manual.
4. Check all hydraulic hoses for deterioration and, if necessary, replace. Tighten any loose bolts, nuts and hydraulic fittings.
5. Follow pre-starting inspection instructions.



SECTION 8 LUBRICATION

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

WARNING: Use normal shut-down procedure (page 12) 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.

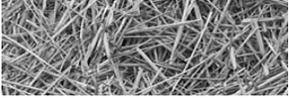
Machine has 13 points to lubricate with grease gun every fifteen (15) hours of operating time.

1. Cylinder bearings
2. P.T.O. universal joints and telescope shaft - 11

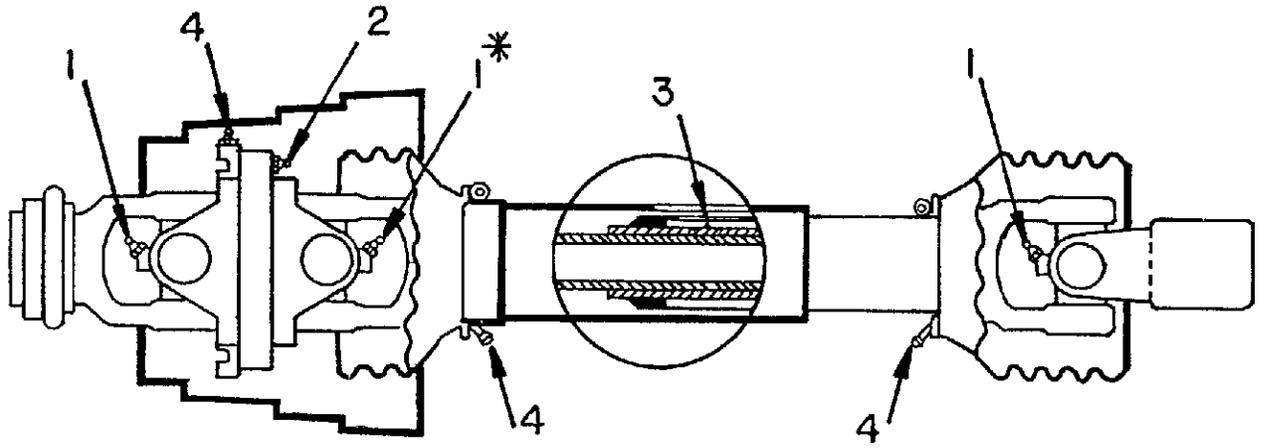
IMPORTANT P.T.O. LUBRICATION INSTRUCTIONS

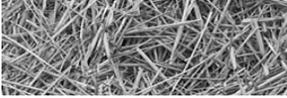
To insure best possible performance, all indicated locations should be lubed as often as every 4 (four) hours under severe conditions. All lube points should be lubed at equal intervals.

1. As many as 7 pumps of grease are required to purge all cross and bearing lube points with fresh grease.
2. Double yokes require more than 1 or 2 pumps of grease. For better penetration of lube:
 - a. Lubricate double yoke in straight position.
 - b. Manually articulate joint to distribute grease.
3. Telescoping members require enough grease to maintain a smooth sliding action. When telescoping members become contaminated with dirty grease, they should be inspected and cleaned to insure smooth operation.
4. Shield components should be lubed and inspected to insure all components are in working condition or are replaced if damaged. A properly maintained shield will inhibit dirt from contaminating telescoping members.



**REFER TO CORRESPONDING NUMBER
FOR FURTHER INSTRUCTION**

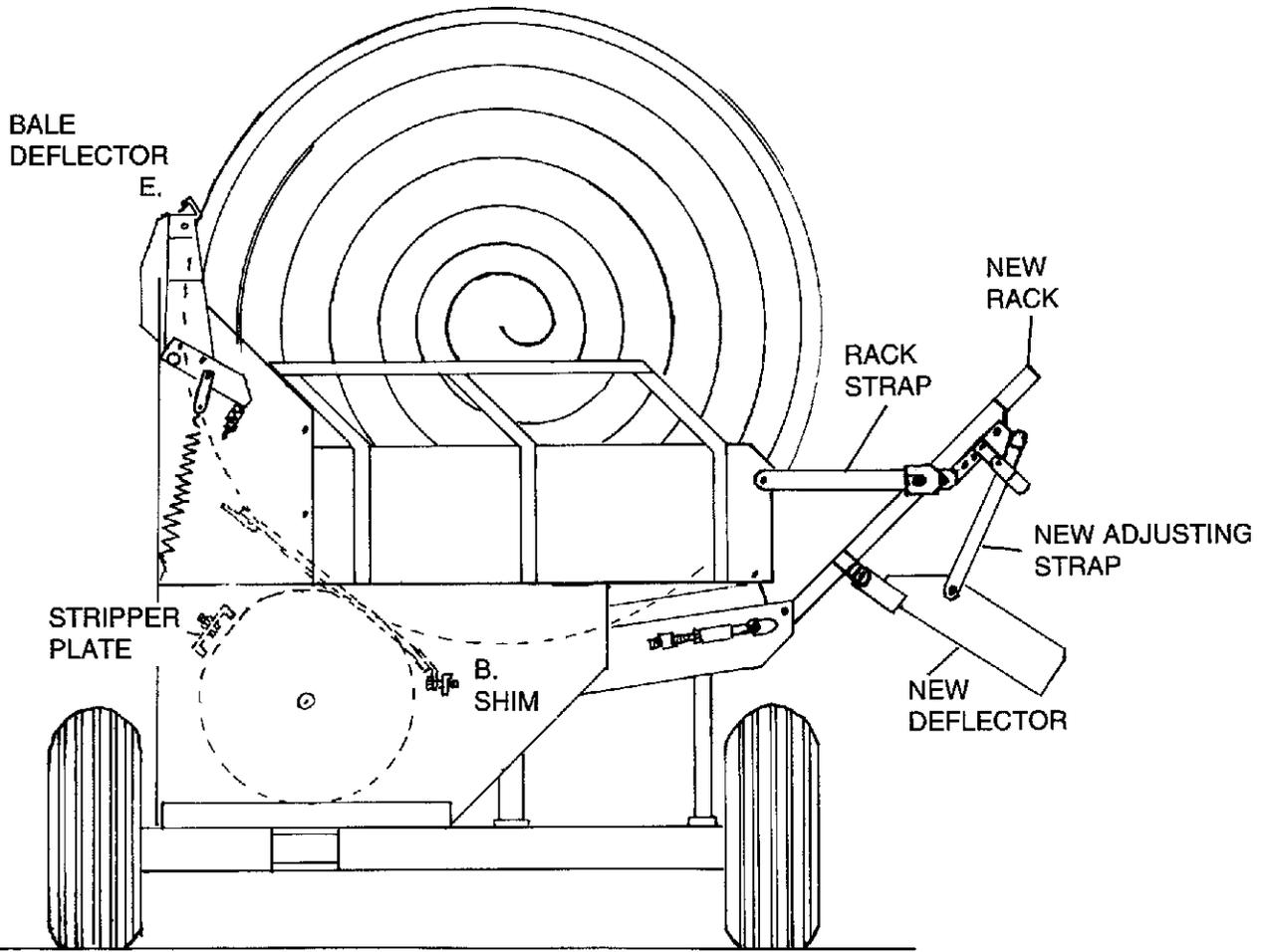
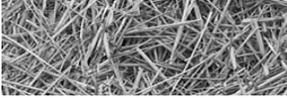


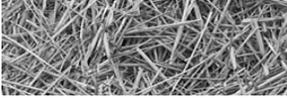


SECTION 9 MAINTENANCE AND ADJUSTMENTS

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 cylinder to frame of machine to prevent arcing in bearings.

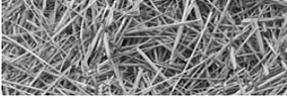
1. Check for loose or badly worn bolts.
2. Check for loose or misaligned sprockets on bale conveyor.
3. Conveyor chain should be adjusted to allow lifting slat 1" to 1-1/2" above deck.
4. Follow Lubrication Chart.
5. Inspect rotor and all rotating parts for twine or wire build-up.
6. Check air pressure in tires, 40 lbs.
7. Discharge deflector has adjusting straps (opposite Page Ref. D) to allow forage to be spread to any desired width.
8. Bale deflector (opposite Page Ref. E) has been pre-set at factory.
9. Slug bars in front of rotor may be adjusted to expose more or less of the flail knives by adding or subtracting washers as shown on opposite Page Ref. A & B.
10. Additional slug bars may be added to prevent slugs from going through rotor when shredding small or large square bales. A kit is available through your dealer.
11. Check wheel bearings, and seals.
12. Cylinder safety stops have been provided with your machine. Use them whenever you are working on the machine with the bale lifter in the raised position.
13. Torque flail knife anchor bolts, 180 to 190 ft. lbs.
14. Relieve all pressure in the hydraulic system before disconnecting the lines or performing other work on the system. Make sure all connections are tight and lines are in good condition before applying pressure to the system.





SECTION 9 TROUBLE SHOOTING

PROBLEM	CAUSE	REMEDY
1. No Capacity	1. Bale turning too slow.	1. Open conveyor speed control valve.
2. Bale Does Not Turn	1. Bale lodged in feeder.	1. Reverse rotation of slat conveyor
3. Excessive Vibration	1. Broken Flail. 2. Defective cylinder bearing. 3. Misaligned or worn PTO 4. Build up of twine on rotor, auger, or fan. 5. Bent rotor, auger, or fan.	1. Replace Flail. 2. Replace Bearing. 3. Replace worn part or complete PTO. 4. Remove all twine from rotor, auger, and fan. 5. Replace as necessary
4. Machine Will Not Lift Bale	1. Tractor hydraulic pressure too low. 2. Hydraulic oil leaking by piston in cylinder.	1. Check pressure. 2. Repair or replace hydraulic cylinder
5. Forage Too Coarse	1. Conveyor speed too fast. 2. Slug bar set too low. 3. Screen removed or screen too coarse.	1. Decrease conveyor speed. 2. Raise slug bar to expose less flail. 3. Add a screen or install a finer screen
6. Forage Too Fine	1. Conveyor speed too slow. 2. Slug bar set too high. 3. Screen installed.	1. Increase conveyor speed. 2. Lower slug bar to expose more flail. 3. Remove screen or install coarser screen.
7. Forage Blows Past Bunk When Bunk Feeding	1. Deflector spout too high.	1. Lower Deflector spout.



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, N.D., 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.

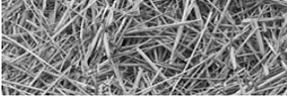
This warranty does not apply to tires or bearings or any other trade accessories not manufactured by DuraTech Industries International Inc.'s.. Buyer must rely solely on the existing warranty, if any, of these respective manufactures.

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.

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



Appendix B: 256 Plus II Specifications

Tractor H.P. Required.....	See BEFORE OPERATING (Page 2) Min. 65 H.P.
Capacity	5-1/2 Ft. Long x 6-1/2 Ft. Dia., 2000 Lbs.
Rotor Length	72"
Rotor Diameter	25-1/2"
Rotor Bearings - Ball	1-3/4"
Knives - Heat-Treated	26
Wheel - Taper Roller Bearings - Tire Size	11L X 16.10 Ply
Working Position 1 Bale Height	138"
Length	166"
Width	120"
Working Position 2 Bales Height	125"
Length	254"
Width	120"
Transport Position:	
Length	166"
Width	94"
Height with Tines Folded	122"
Weight	3700 Lbs.
P.T.O	1000 RPM
Dual Hydraulics (single hydraulic system optional)	1200 psi
Cylinder 3" x 30" Double Acting	

HAYBUSTER[®]

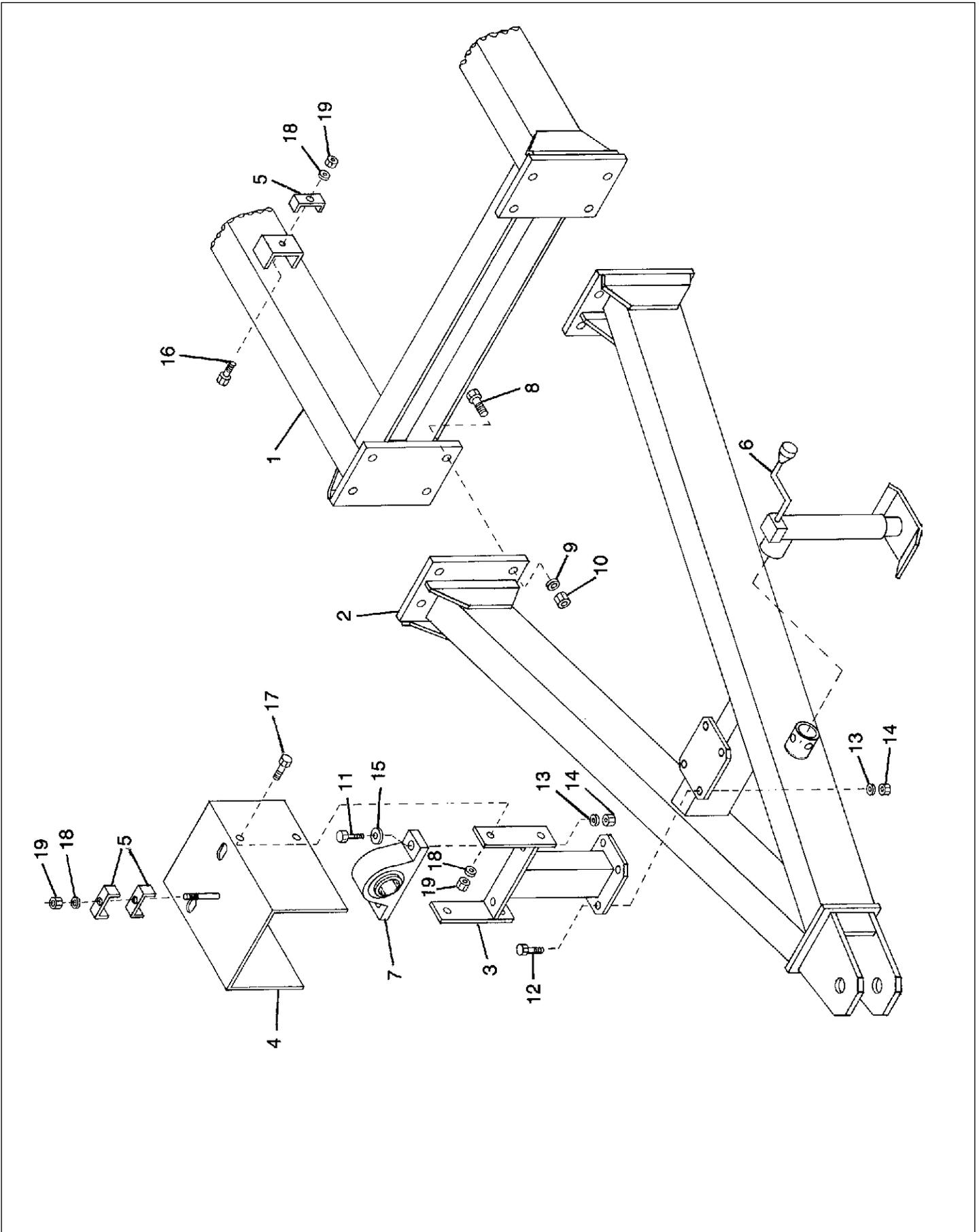
256 *Plus* **II**

BIG BALE BUSTER

Serial Numbers 101 - 2742

**Part 2:
Parts Reference**

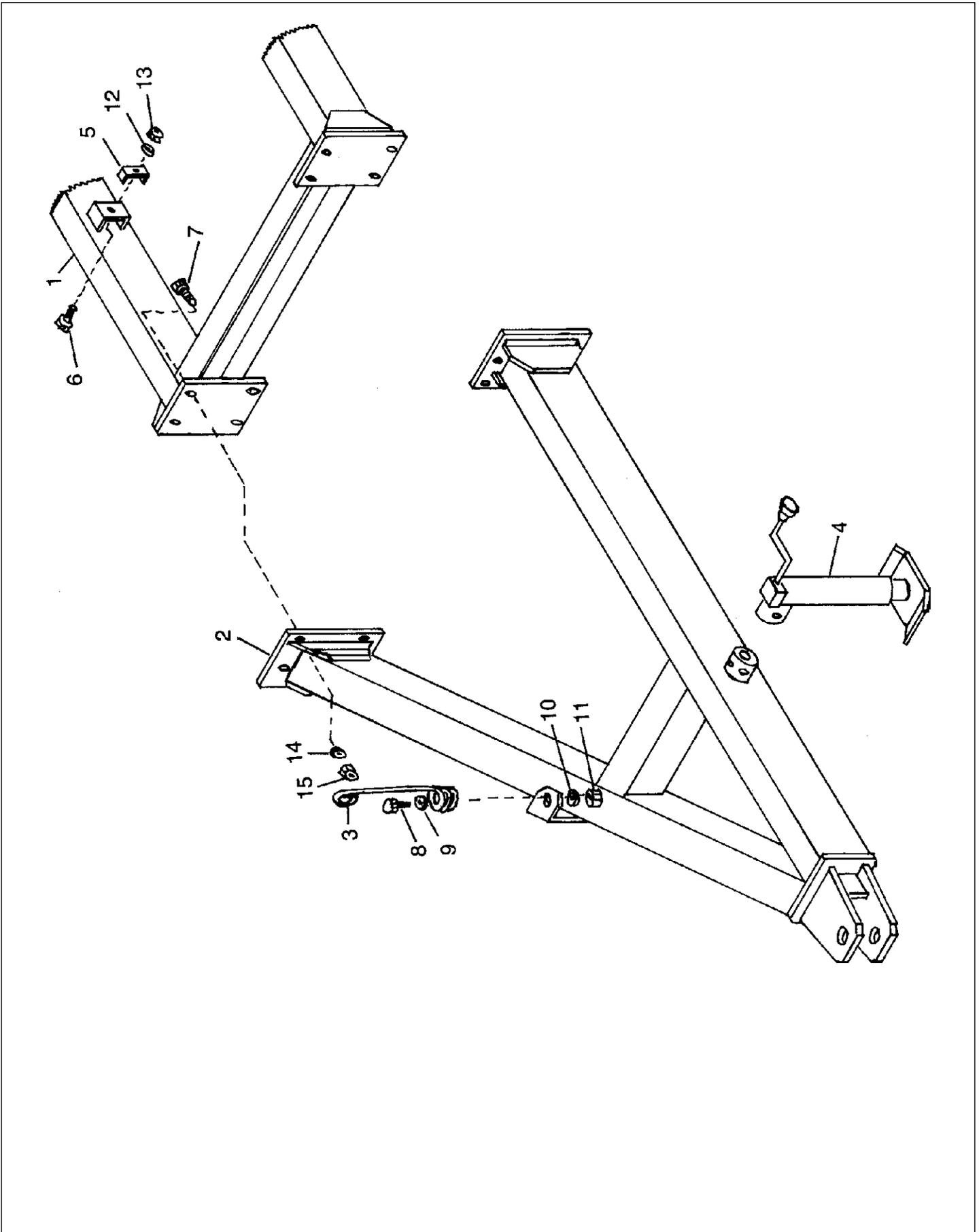
HITCH SER. NO. THRU 1641



HITCH SER. NO. THRU 1641

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100176	1	Main Frame
2	8100177	1	Hitch
3	8100178	1	Hitch, Bearing Stand
4	8100152	1	Bearing Shield
5	8300329	3	Hose Clamp
6	6400001	1	Jack 2 SM 10
7	1800005	1	1-3/4" Pillow Block Bearing
8	4800010	8	5/8" x 2" Bolt
9	5000003	8	5/8" Lock Washer
10	4900005	8	5/8" Nut
11	4800051	2	1/2" x 2-1/2" Bolt
12	4800082	4	1/2" x 1-1/2" Bolt
13	5000006	6	1/2" Lock Washer
14	4900001	6	1/2" Nut
15	5000004	2	1/2" Flat Washer
16	4800146	4	3/8" x 2" Bolt
17	4800003	4	3/8" x 1" Bolt
18	5000019	9	3/8" Lock Washer
19	4900002	9	3/8" Nut

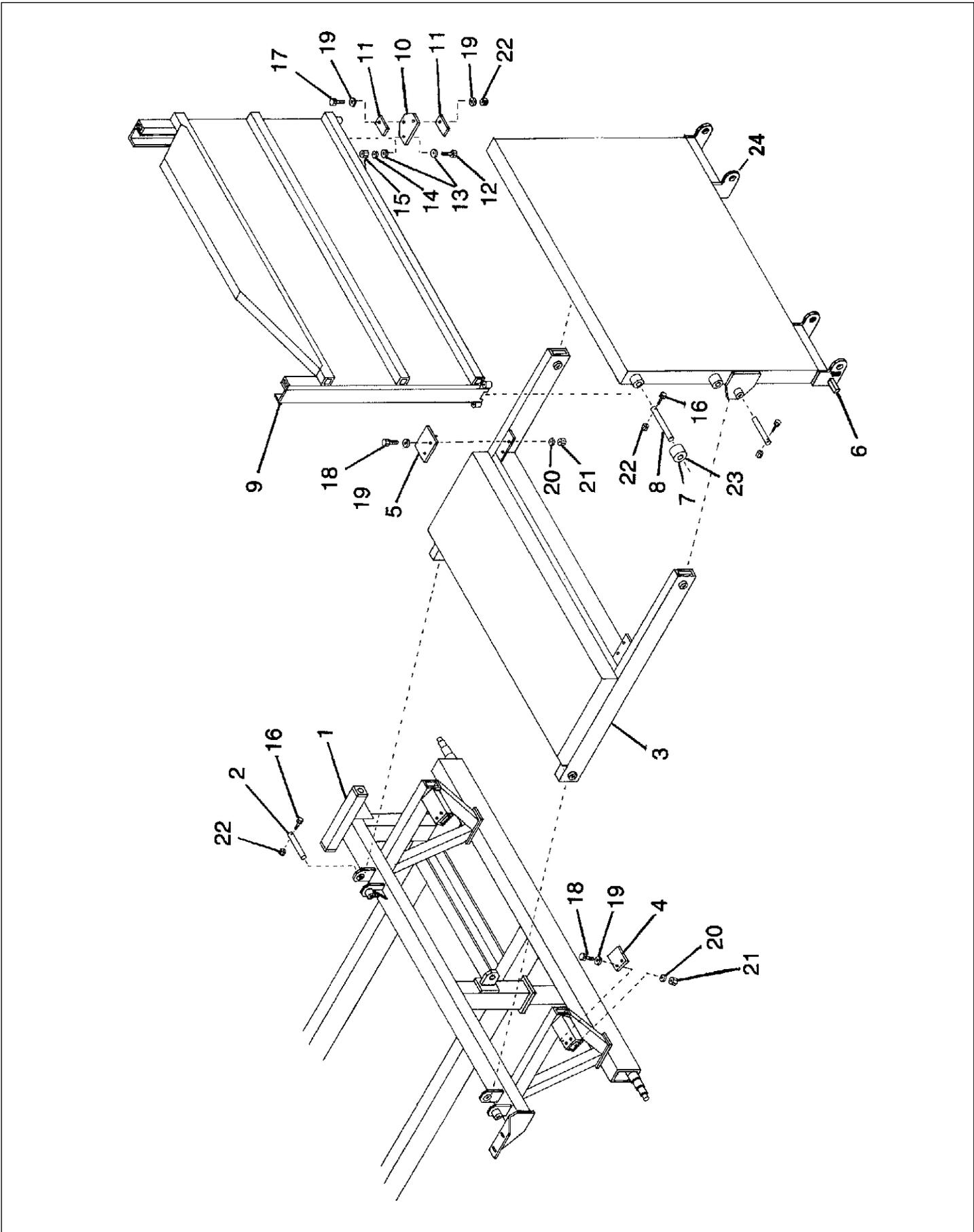
HITCH SER. NO. 1642 THRU



HITCH SER. NO. 1642 THRU

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100392	1	Main Frame
2	8100391	1	Hitch
3	7500170	1	Hose Minder, Pigtail
4	6400001	1	Jack 2 Sm 10
5	8300329	3	Hose Clamp
6	4800146	3	3/8" x 2" Bolt
7	4800010	8	5/8" x 2" Bolt
8	4800082	1	1/2" x 1-1/2" Bolt
9	5000004	1	1/2" Flat Washer
10	5000006	1	1/2" Lock Washer
11	4900001	1	1/2" Nut
12	5000019	3	3/8" Lock Washer
13	4900002	3	3/8" Nut
14	5000003	8	5/8" Lock Washer
15	4900005	8	5/8" Nut

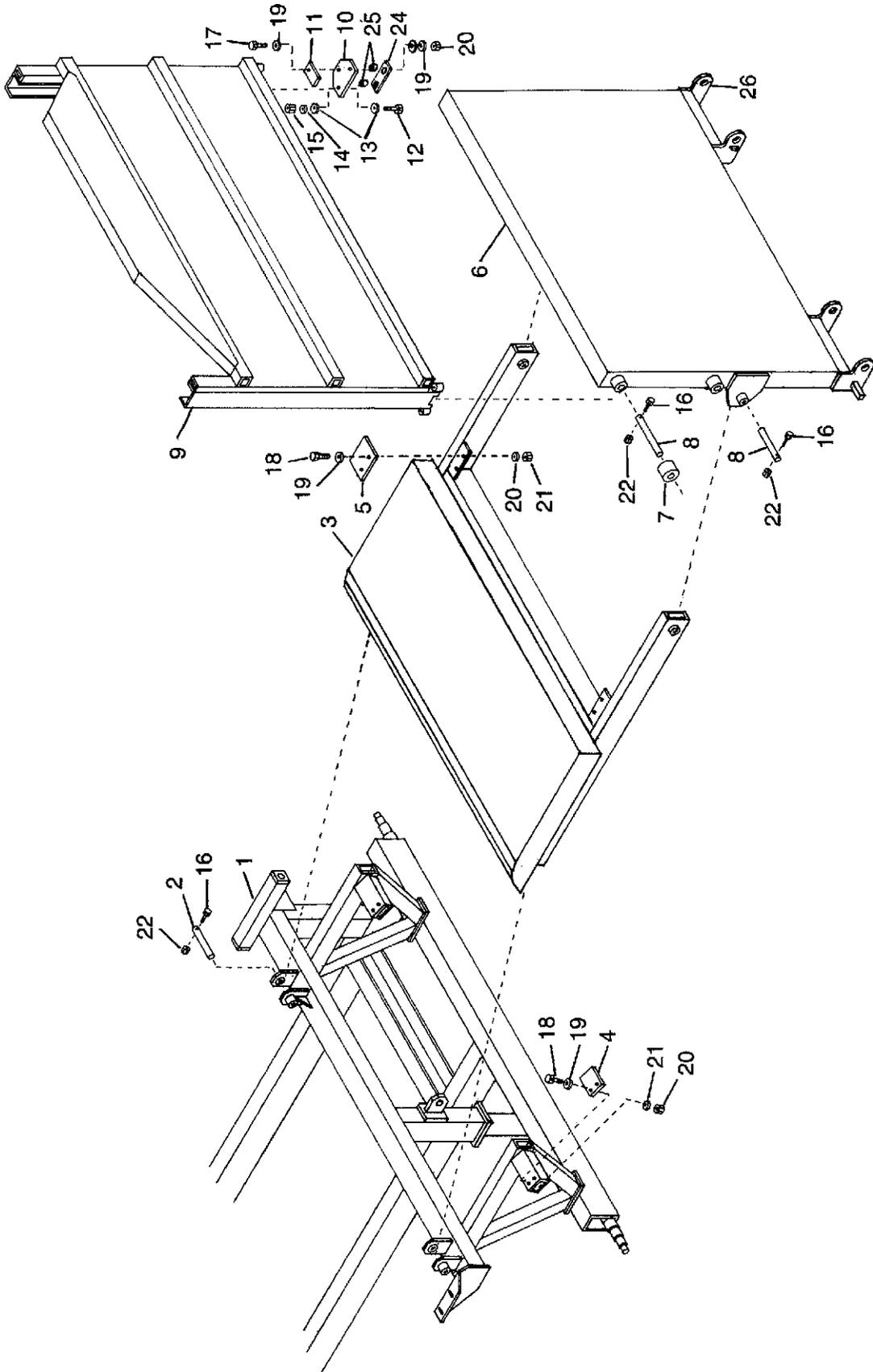
BALE LIFTER SER. NO. THRU 1641



BALE LIFTER SER. NO. THRU 1641

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100176	1	Main Frame
2	8200006	4	Hinge Pin 1" x 6"
3	8100179	1	Bale Lifting Frame
4	8100180	2	Rubber Pad 3-1/2" x 4" Main Frame
5	8100181	2	Rubber Pad 4" x 5-1/2" Bale Lifting Frame
6	8100182	1	Tine Mounting Frame
7	8100183	4	Roller
8	8100404	4	Roller Pin 1" x 7-1/8"
9	8100184	1	Sliding Platform
10	8100185	2	Rubber Pad Mount
11	8100186	4	Rubber Pad 1-3/4" x 3" Sliding Platform
12	4800029	4	3/8" x 2-1/2" Bolt
13	5000001	8	3/8" Flat Washer
14	5000019	4	3/8" Lock Washer
15	4900002	4	3/8" Nut
16	4800118	6	5/16" x 2" Bolt
17	4800081	2	5/16" x 1-1/2" Bolt
18	4800071	8	5/16" x 1-1/4" Bolt
19	5000023	12	5/16" Flat Washer
20	5000022	8	5/16" Lock Washer
21	4900003	8	5/16" Nut
22	4900011	8	5/16" Lock Nut
23	7500147	8	Brass Bushing (Not Shown)
24	8100431	4	Bale Lifter Tine Mount

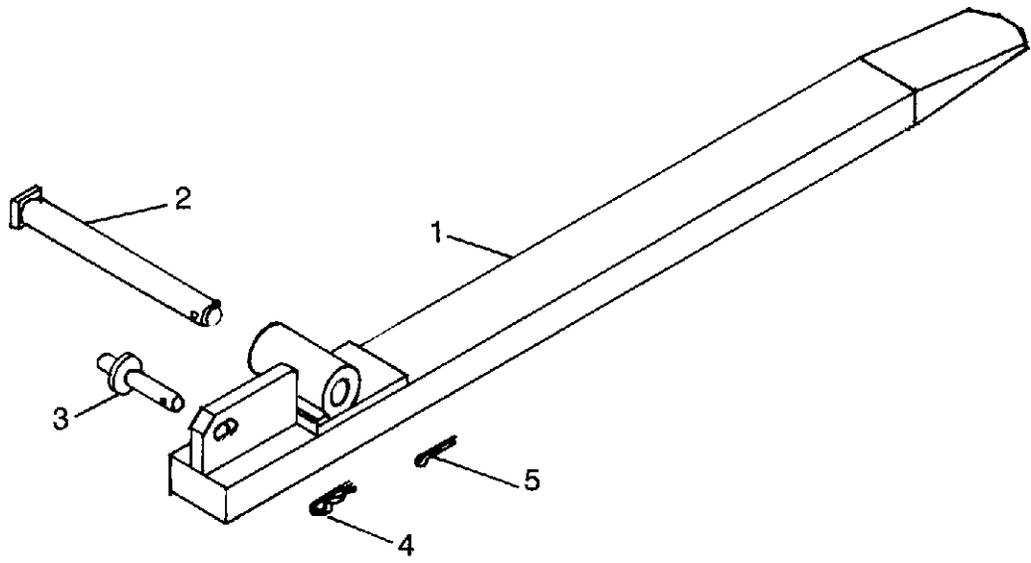
BALE LIFTER SER. NO. 1642 THRU



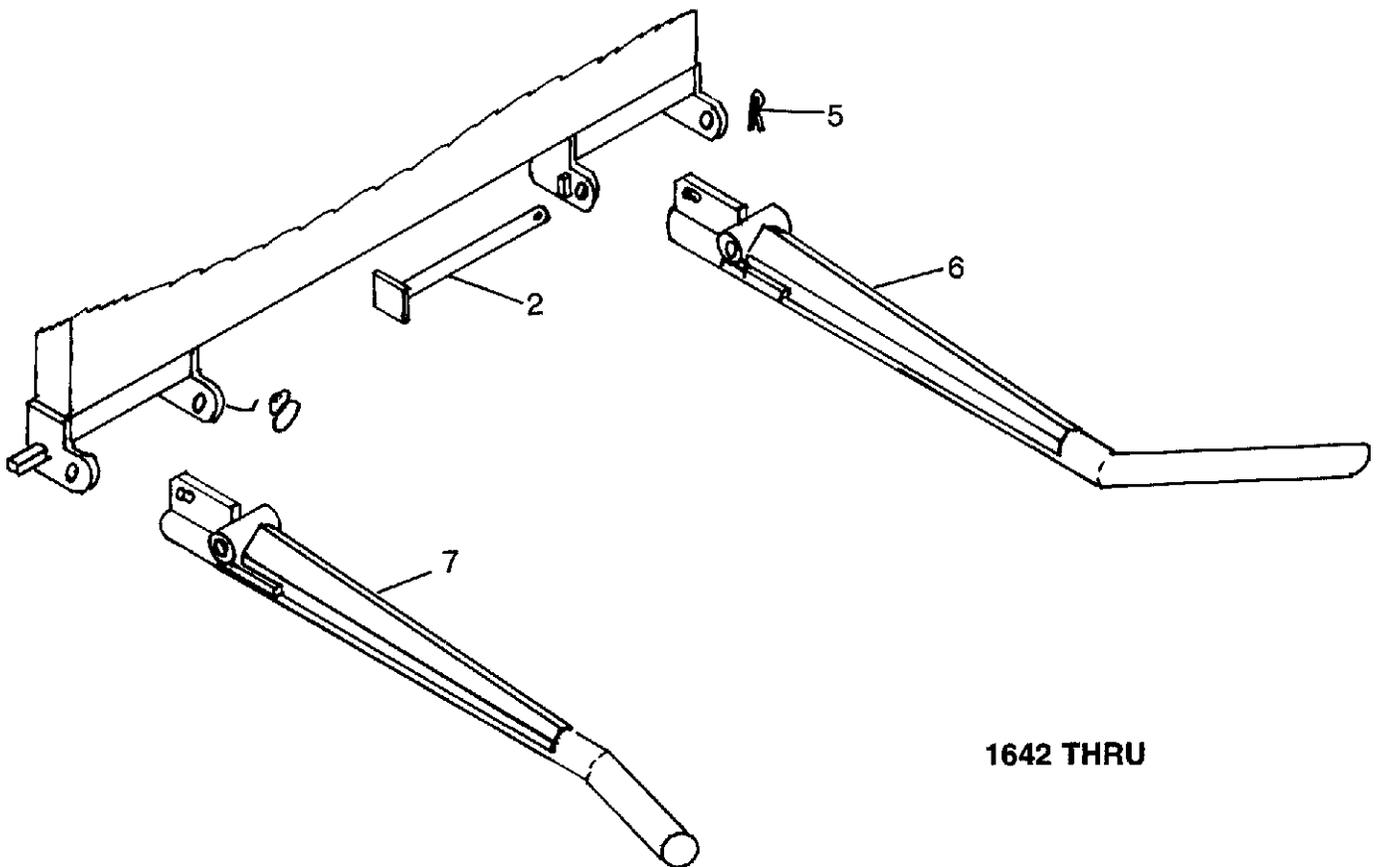
BALE LIFTER SER. NO. 1642 THRU

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100392	1	Main Frame (Ser. No. thru 1642)
2	8100403	4	Hinge Pin 1 " x 6"
3	8100390	1	Bale Lifting Frame (Ser. No. 1642 thru)
4	8100180	2	Rubber Pad 3-1/2" x 4" Main Frame
5	8100181	2	Rubber Pad 4" x 5-1/2" Bale Lifting Frame
6	8100384	1	Tine Mounting Frame (Ser. No. 1642 thru)
7	8100183	4	Roller
8	8100404	4	Roller Pin 1" x 7-1/8"
9	8100385	1	Sliding Platform (Ser. No. 1642 thru)
10	8100185	2	Rubber Pad Mount
11	8100186	2	Rubber Pad 1-3/4" x 3" Sliding Platform
12	4800029	4	3/8" x 2-1/2" Bolt
13	5000001	8	3/8" Flat Washer
14	5000019	4	3/8" Lock Washer
15	4900002	4	3/8" Nut
16	4800118	6	5/16" x 2" Bolt
17	4800081	2	5/16" x 1-1/2" Bolt
18	4800071	8	5/16" x 1-1/4" Bolt
19	5000023	12	5/16" Flat Washer
20	5000022	8	5/16" Lock Washer
21	4900003	8	5/16" Nut
22	4900011	8	5/16" Lock Nut
23	7500147	8	Brass Bushing (Not Shown)
24	8100417	2	Rubber Pad 1-3/4" x 5-1/4" Sliding Platform Stop
25	8100418	4	1/2" Bushing
26	8100431	4	Bale Lifter Tine Mount

TINE



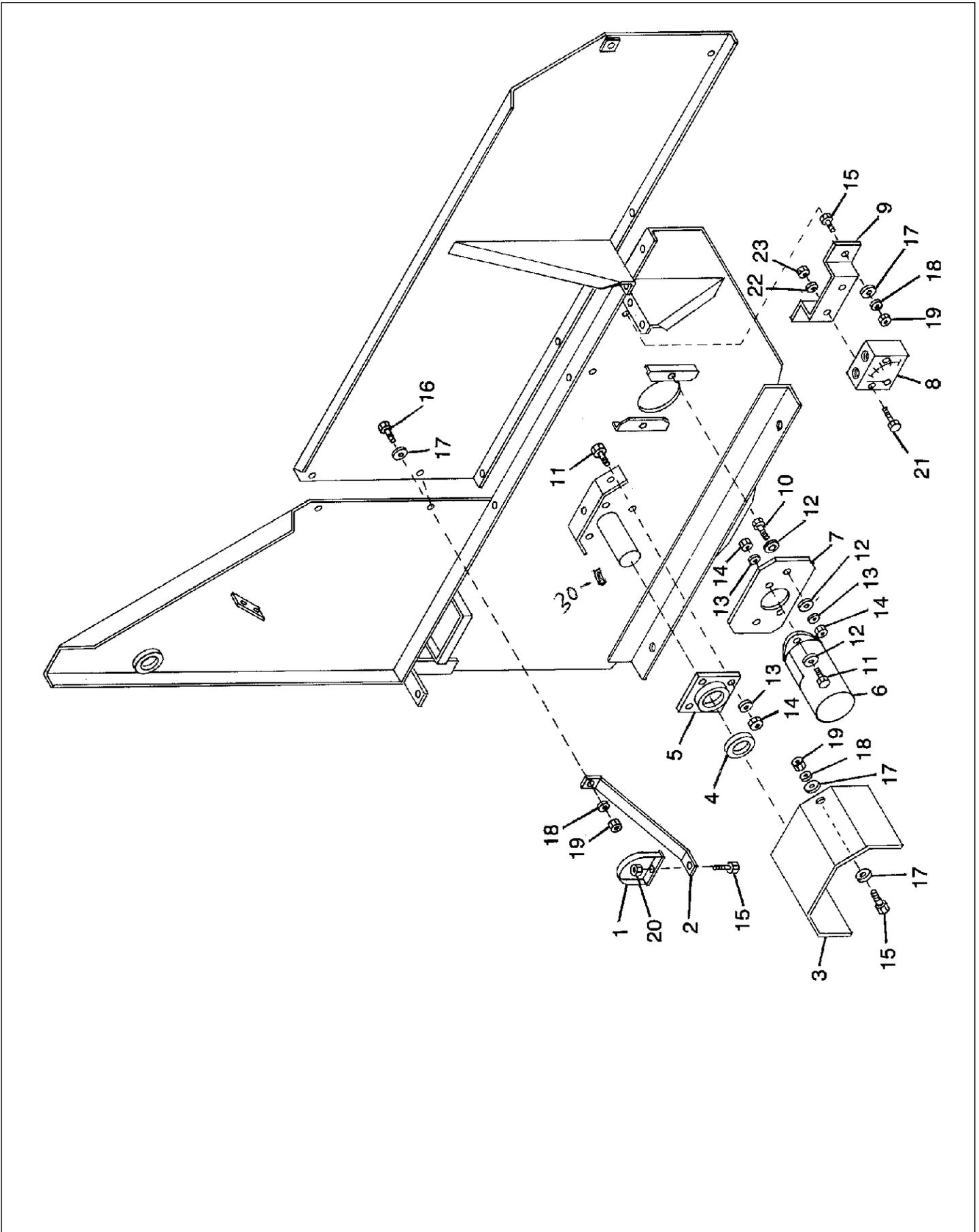
THRU 1641



1642 THRU

T I N E

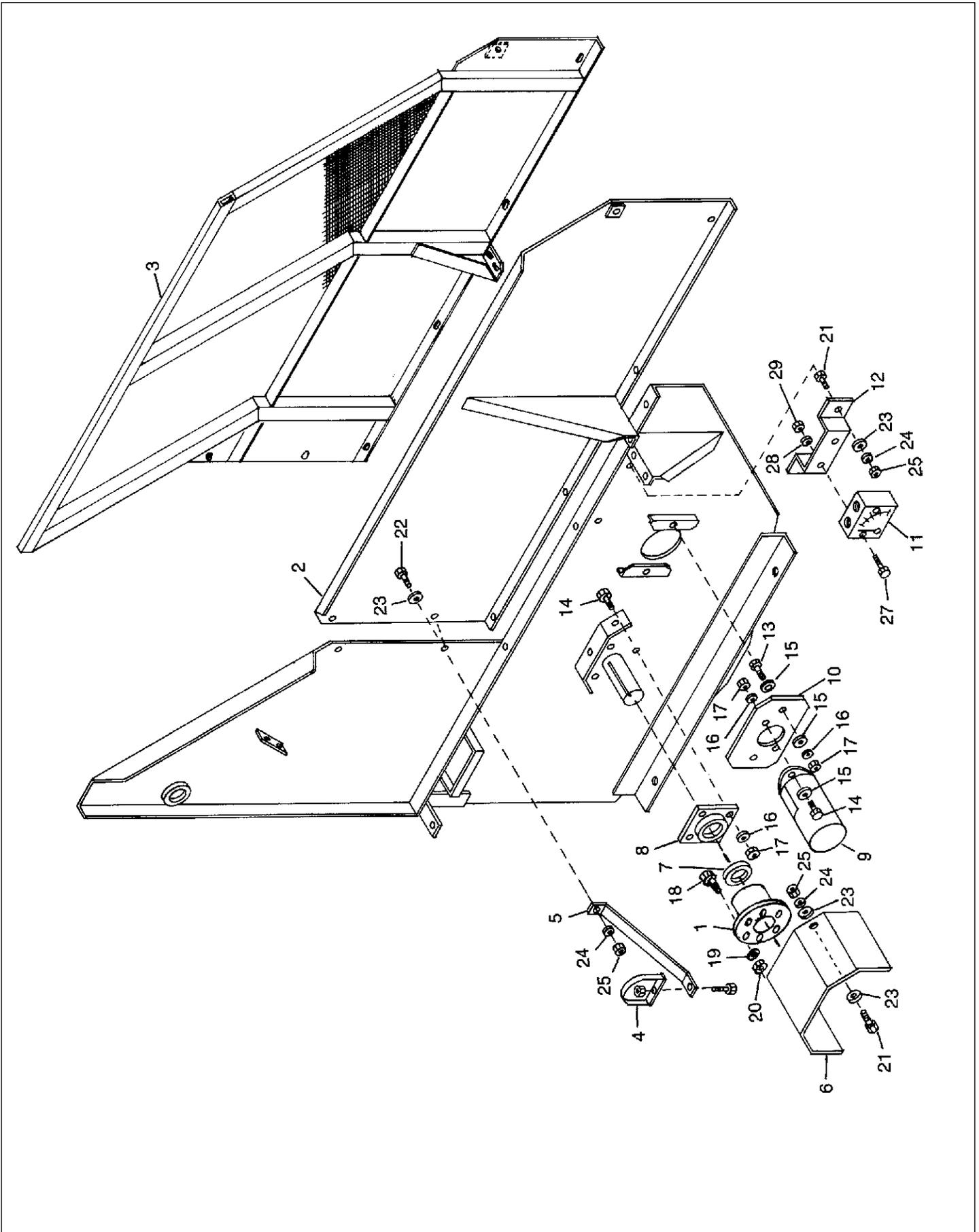
ITEM	PART NO.	QTY.	DESCRIPTION
1	8100203	2	Tine 256+II (Ser. No. thru 1361) (65" Long)
1A	8100433	2	Tine 256+II (Ser. No. 1362 thru 1621) (59" Long)
2	8100204	2	Tine Hinge Pin
3	8100205	2	Tine Anchor Pin
4	4800107	2	1/8" Hair Pin
5	4800043	2	1/4" x 2-1/2" Cotter Pin
6	8100389	1	Tine R.H. (Ser. No. 941642 thru)
7	8100396	1	Tine L.H. (Ser. No. 941642 thru)
8	8100431	4	Bale Lifter Tine Mount



SHREDDER SER. NO. THRU 1641

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100041	1	Hose Hanger
2	8100040	1	Hose Hanger Bracket
3	8100199	1	PTO Shield
4	2200008	2	Bearing Lock Collar
5	1900011	2	Bearing, 4-Hole Flange 1-3/4"
6	3900003	1	207 Hydraulic Motor (See Pane 58)
7	8100036	1	Hydraulic Motor Mounting Bracket
8	3800036	1	Flow Control Valve
9	8100037	1	Flow Control Mounting Bracket
10	4800018	2	1/2" x 1-1/4" Bolt
11	4800082	6	1/2" x 1-1/2" Bolt
12	5000004	6	1/2" Flat Washers
13	5000006	8	1/2" Lock Washers
14	4900001	8	1/2" Nut
15	4800003	5	3/8" x 1" Bolt
16	4800098	1	3/8" x 1-1/4" Bolt
17	5000001	7	3/8" Flat Washer
18	5000019	5	3/8" Lock Washer
19	4900002	5	3/8" Nut
20	4900023	1	3/8" Lock Nut
21	4800101	2	1/4" x 2-1/2" Bolt
22	5000024	2	1/4" Lock Washer
23	4900009	2	1/4" Nut

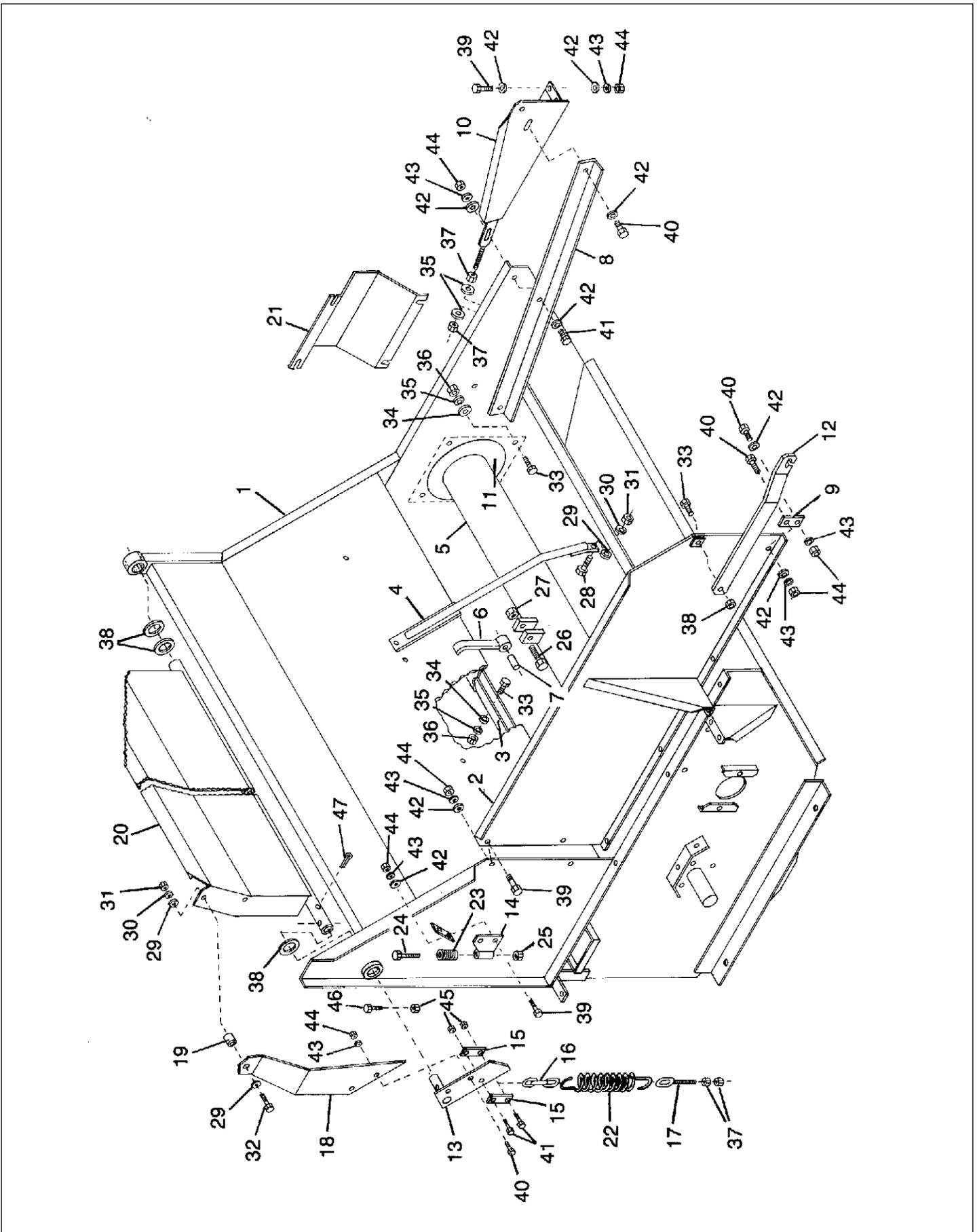
SHREDDER SER. NO. 1642 THRU



SHREDDER SER. NO. 1642 THRU

ITEM	PART NO.	QTY.	DESCRIPTION
1	3600201	1	Hub (For 36-200)
2	8100188	1	Front Shield (Old Style)
3	8100386	1	Front Shield (New Style)
4	8100041	1	Hose Hanger
5	8100040	1	Hose Hanger Bracket
6	8100199	1	PTO Shield
7	2200008	2	Bearing Locking Collar
8	1900011	2	1-3/4" - 4 Hole Flange Bearings
9	3900003	1	207 Hydraulic Motor (See Page ??)
10	8100036	1	Hydraulic Motor Mounting Bracket
11	3800036	1	Flow Control Valve
12	8100037	1	Flow Control Mounting Bracket
13	4800018	2	1/2" x 1-1/4" Bolt
14	4800082	6	1/2" x 1-1/2" Bolt
15	5000004	6	1/2" Flat Washer
16	5000006	8	1/2" Lock Washer
17	4900001	8	1/2" Nut
18	4800373	6	7/16" x 1-3/4" Gr. 8 Bolt
19	5000091	6	7/16" Lock Washer Gr. 8
20	4900093	6	7/16" Gr. 8 Nut
21	4800003	5	3/8" x 1" Bolt
22	4800098	1	3/8" x 1-1/4" Bolt
23	5000001	7	3/8" Flat Washer
24	5000019	5	3/8" Lock Washer
25	4900002	5	3/8" Nut
26	4900023	1	3/8" Lock Nut
27	4800101	2	1/4" x 2-1/2" Bolt
28	5000024	2	1/4" Lock Washer
29	4900009	2	1/4" Nut
30	6200008	1	3/8" x 2 Sq. Key

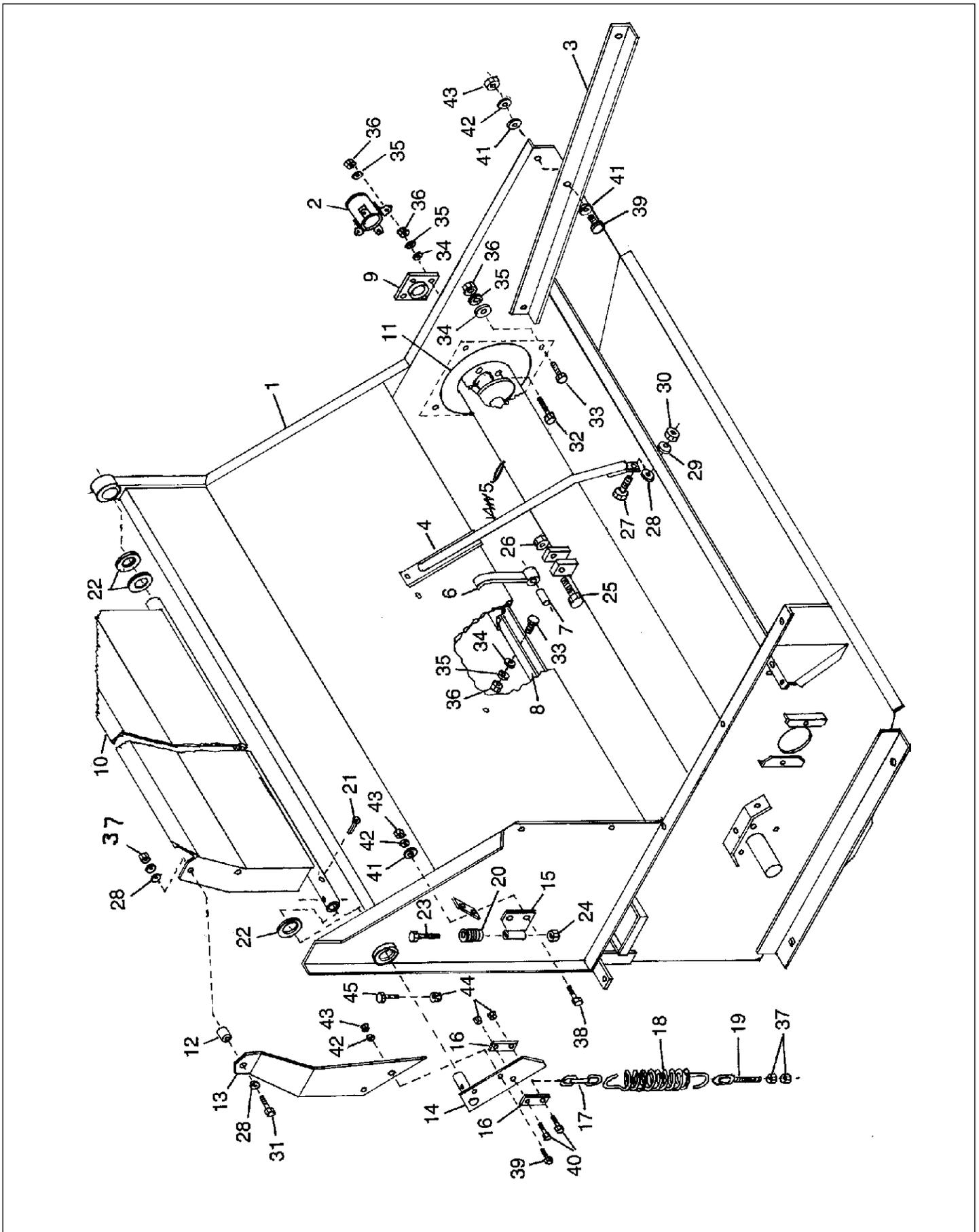
SHREDDER SER. NO. THRU 1641



SHREDDER SER. NO. THRU 1641

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100187	1	Shredder Frame
2	8100188	1	Front Shield
3	8100024	1	Stripper Plate
4	8100025	4	Slug Bar
5A	8100124	1	Rotor (Ser. No. 101 thru 511)
5B	8100218	1	26 Flail Rotor (Ser. No. 512 thru)
6	5200004	32	Flail
7	7500223	32	Flail Bushing
8	8100174	2	Wide Conveyor Mount
9	8100189	1	Wide Conveyor Hanger
10	8100190	1	Rear Rack Mount
11A	8100191	1	Rotor End Plate (Ser. No. 301 thru 800)
11B	8100317	1	Rotor End Plate (Ser. No. 801 thru)
12	8100031	1	Rack Strap Front
12A	8100168	1	Rack Strap Rear (Not Shown)
12B	8100411		Key Hole Type
13	8100192	1	Lever
14	8100069	1	Lever Stop
15	8100034	2	Connector Link
16	8100193	1	1/4" Chain 3 Links
17	8100194	1	Eye Bolt
18	8100195	1	Bale Guide Brace
19	8100196	1	Bale Guide Spacer
20	8100197	1	Bale Guide
21	8100198	1	Rotor Shield
22	6100013	1	Spring
23	6100005	1	Spring
24	4800139	1	3/4" x 4-1/2" Bolt
25	4900013	1	3/4" Lock Nut
26	4800100	32	5/8" X 4" Grade 5 Bolts
27	4900012	32	5/8" Lock Nuts
28	4800010	8	5/8" x 2" Bolt
29	5000002	22	5/8" Flat Washers
30	5000003	9	5/8" Lock Washer
31	4900005	9	5/8" Nut
32	4800054	1	5/8" x 3-1/2" Bolt
33	4800018	11	1/2" x 1-1/4" Bolt
34	5000004	11	1/2" Flat Washers
35	5000006	9	1/2" Lock Washers
36	4900001	13	1/2" Nut
37	4900014	2	1/2" Lock Nut
38	5000051	3	1-3/4" ID Narrow Rim Machine Bushing
39	4800003	9	3/8" x 1" Bolt
40	4800098	10	3/8" x 1-1/4" Bolt
41	4800034	3	3/8" x 1-1/2" Bolt
42	5000001	27	3/8" Flat Washer
43	5000019	22	3/8" Lock Washer
44	4900002	22	3/8" Nut
45	4900023	3	3/8" Lock Nut
46	4800029	1	3/8" x 2-1/2" Bolt
47	4800043	2	1/4" x 2-1/2" Cotter Key

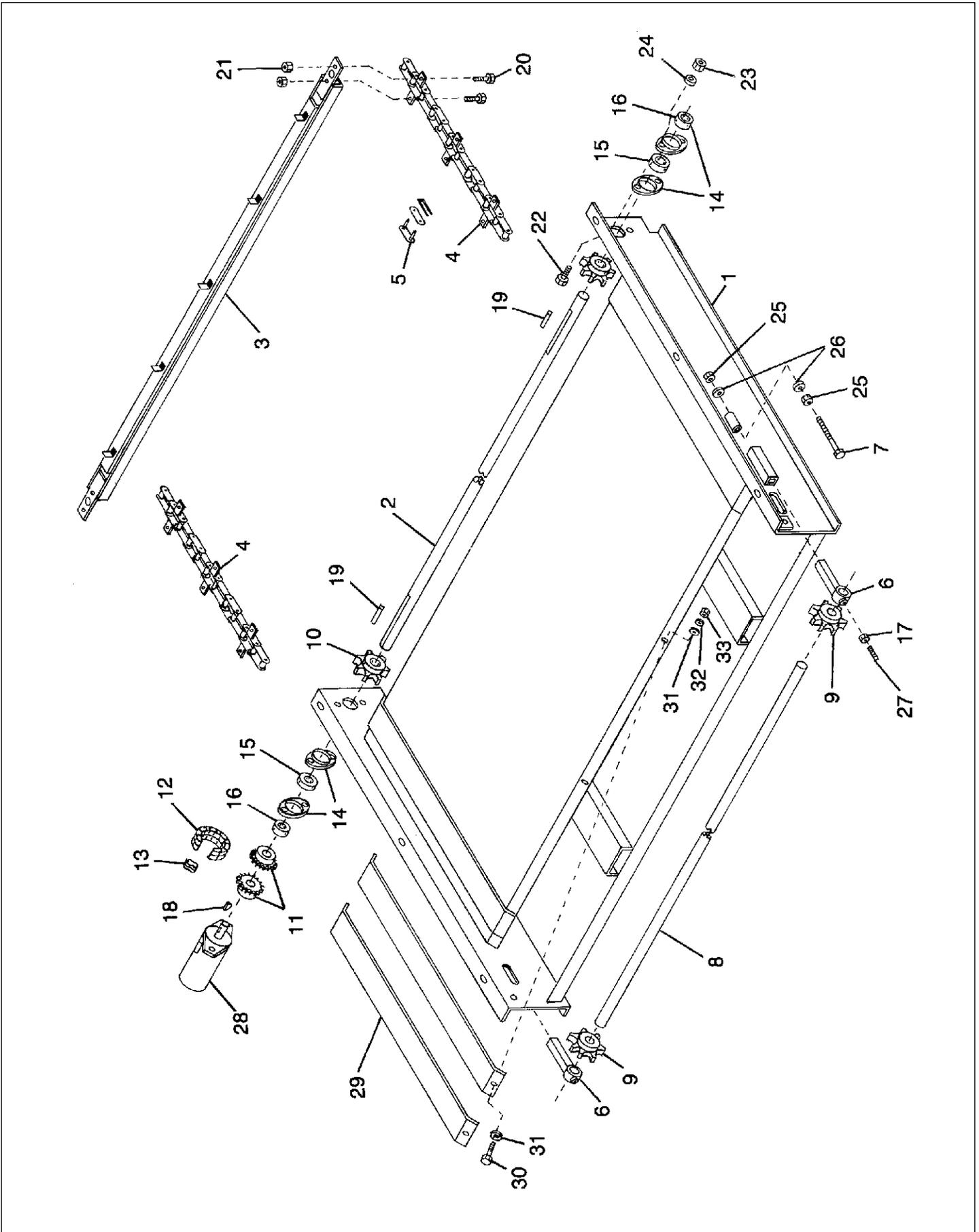
SHREDDER SER. NO. 1642 THRU



SHREDDER SER. NO. 1642 THRU

ITEM	PART NO.	QTY.	DESCRIPTION
1A		1	Main Frame (Ser. No. 2342 thru)
1B	8100387	1	Main Frame (Ser. No. 1642 thru 2341)
2	8100353	1	Rotor Shield
3	8100174	2	Wide Conveyor Mount
4A	8100025	5	Slug Bar (Ser. No. 2342 thru)
4B	8100025	4	Slug Bar (Ser. No. 1642 thru 2341)
5A	8100437	1	Rotor 530 (Ser. No. 2341 thru)
5B	8100218	1	Rotor (Ser. No. 1642 thru 2341)
6A	5200009	30	Flail(Ser. No. 2342 thru 2441)
6B	5200009	26	Flail (Ser. No. 1642 thru 2341)
7A	7500223	30	Flail Bushing (Ser. No. 2341 thru)
7B	7500223	26	Flail Bushing (Ser. No. 1642 thru 2341)
8	8100024	1	Stripper Plate
9	1900011	2	1-3/4" - 4 Hole Flange Bearing
10	8100197	1	Bale Guide
11	8100191	1	Rotor End Plate
12	8100196	1	Bale Guide Spacer
13	8100195	1	Bale Guide Brace
14	8100192	1	Lever
15	8100069	1	Lever Stop
16	8100034	2	Connector Link
17	8100193	1	1/2" Chain 3 Links
18	6100013	1	Spring
19	8100194	1	Eye Bolt
20	6100005	1	Spring
21	4800043	2	1/4" x 2-1/2" Cotter Key
22	5000051	3	1-3/4" ID Narrow Rim Machine Bushing
23	4800139	1	3/4" x 4-1/2" Bolt
24	4900013	1	3/4" Lock Bolt
25	4800100	26	5/8" x 4' Gr. 5 Bolt
26	4900012	26	5/8" Lock Nut
27	4800010	8	5/8" x 2" Bolt
28	5000002	22	5/8" Flat Washer
29	5000003	9	5/8" Lock Washer
30	4900005	9	5/8" Nut
31	4800054	1	1/2" x 2-1/2" Bolt
32		4	1/2" x 2-1/2" Bolt
33	4800068	11	1-1/4" Bolt
34	5000004	15	1/2" Flat Washer
35	5000006	15	1/2" Lock Washer
36	4900001	15	1/2" Nut
37	4900014	2	1/2" Lock Nut
38	4800003	2	3/8" x 1" Bolt
39	4800098	6	3/8" x 1-1/4" Bolt
40	4800034	2	3/8" x 1-1/2" Bolt
41	5000001	10	3/8" Flat Washer
42	5000019	8	3/8" Lock Washer
43	4900002	8	3/8" Nut
44	4900023	3	3/8" Lock Nut
45	4800029	1	3/8" x 2-1/2" Bolt
46			5/8" x 1-1/4 Bolts for Stripper Plate

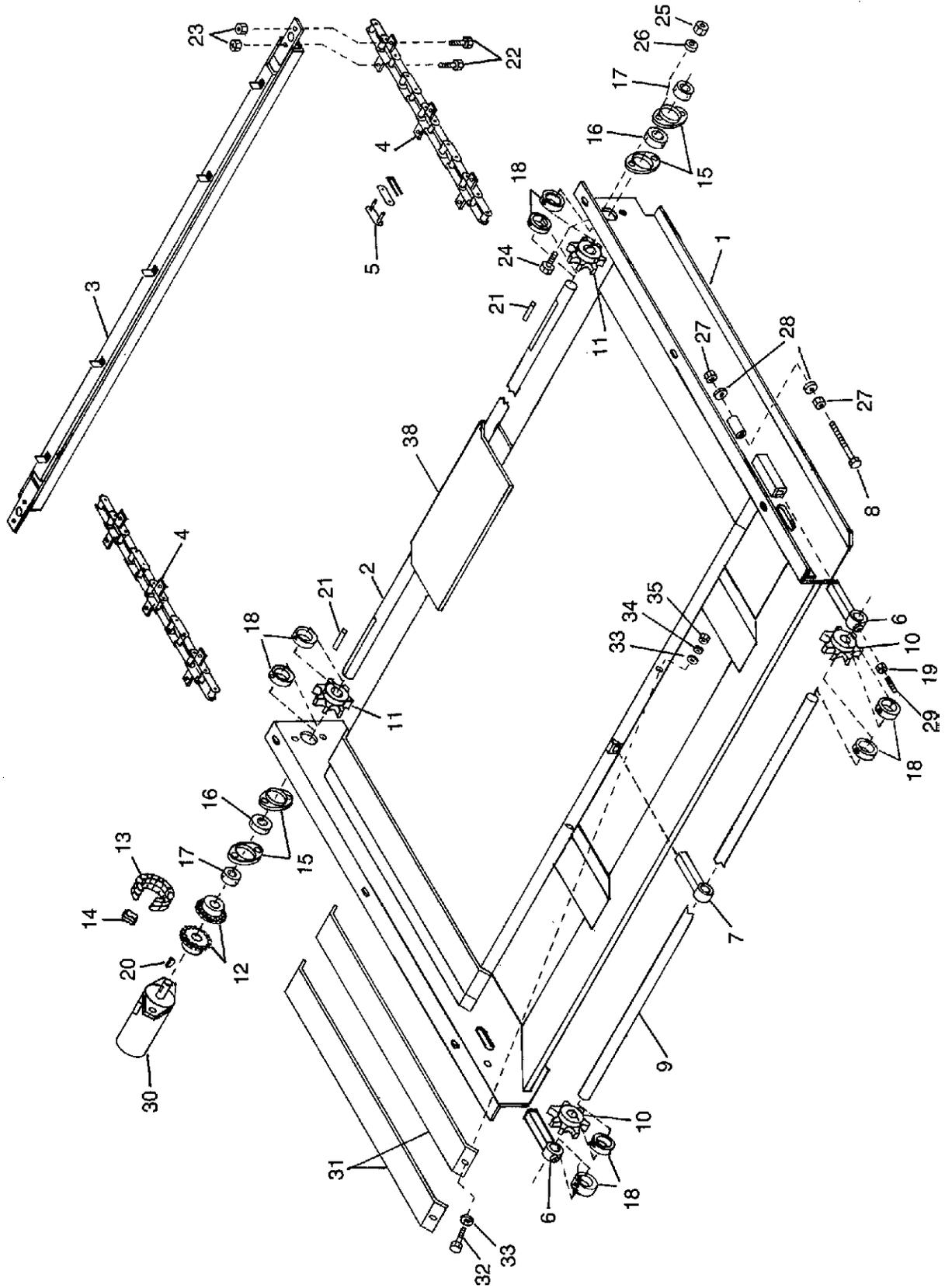
BALE CONVEYOR ASSEMBLY SER. NO. THRU 1641



BALE CONVEYOR ASSEMBLY S E R . N O . T H R U 1 6 4 1

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100169	1	Wide Conveyor Frame
2	8200002	1	Drive Shaft 1" x 70-1/2"
3	8100170	9	Slat (1" Lugs)
4	1100150	2	Chain CA620 44 Links and 9 Attachments
5	1100103	2	Connector Link CA620
5A	1100142		Connector Link W/Lug
6	8100051	2	Tightener Bracket
7	4800104	2	Adjusting Bolt 1/2" x 5"
8	8200004	1	Idler Spindle 1" x 71-1/2"
9	1000088	2	Idler Sprocket
10	1000089	2	Drive Sprocket
11	1000029	2	Coupler Sprocket
12	1100026	1	Coupler Chain
13	1100099	1	Connector Link
14	2100003	4	Flangette
15	2000002	2	Bearing 1" Bore
16	2200004	2	Bearing Lock Collar
17	4900026	2	3/8" Jam Nut
18	6200011	1	1/4" x 1" Woodruff Key
19	6200012	2	1/4" x 2" Square Key
20	4800008	36	5/16" x 7/8" Gr. 5 Bolt
21	4900011	36	5/16" Lock Nut
22	4800008	4	5/16" x 3/4" Bolt
23	4900003	4	5/16" Nut
24	5000022	4	5/16" Lock Washer
25	4900001	4	1/2" Nuts
26	5000004	4	1/2" Flat Washers
27	4800105	2	3/8" x 1" Set Screw
28	3900003	1	Orbit Motor (See Page ??)
29	8100171	2	Plastic Rub Plate (Wide Conveyor)
30	4800098	4	3/8" x 1-1/4" Bolt
31	5000001	8	3/8" Flat Washer
32	5000019	4	3/8" Lock Washer
33	4900002	4	3/8" Nut
34	8100167	1	Slat End (Weld On) Not Shown
35	7500147	1	Brush Bushing (Idler Sprocket) Not Shown

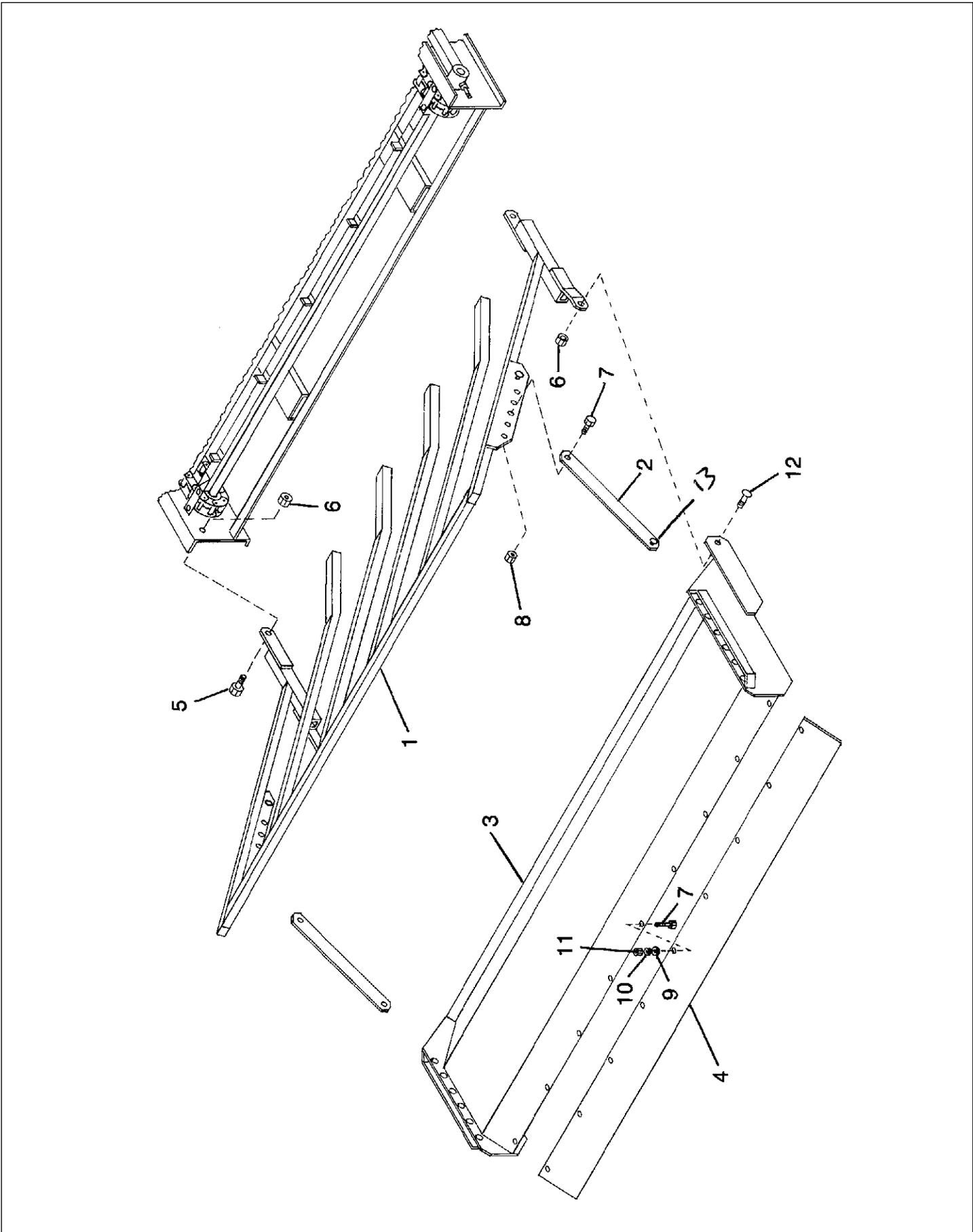
BALE CONVEYOR ASSEMBLY SER. NO. 1642 THRU



BALE CONVEYOR ASSEMBLY S E R. N O. 1 6 4 2 T H R U

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100394	1	Wide Conveyor Frame
2	8200002	1	Drive Shaft 1" x 70-1/2"
3	8100622	9	2 Chain Slat New
4	1100150	2	Chain CA620 44 Links and 9 Attachments
5	1100103	2	Connector Link CA620
6	8100051	2	Tightener Bracket
7	8100393	1	Idler Shaft Bushing Bracket
8	4800104	2	Adjusting Bolt 1/2" x 5"
9	8200004	1	Idler Spindle 1" x 71-1/2"
10	1000088	2	Idler Sprocket
11	1000089	2	Drive Sprocket
12	1000029	2	Coupler Sprocket
13	1100026	1	Coupler Chain
14	1100099	1	Connector Link
15	2100003	4	Flangette
16	2000002	2	Bearing 1" Bore
17	2200004	2	Bearing Lock Collar
18	2200009	8	1" Shaft Collar
19	4900026	2	3/8" Jam Nut
20	6200011	1	1/4" x 1" Woodruff Key
21	6200012	2	1/4" x 2" Sq. Key
22	4800008	36	5/16" x 7/8" Gr. 5 Bolt
23	4900011	36	5/16" Lock Nut
24	4800008	4	5/16" x 3/4" Bolt
25	4900003	4	5/16" Nut
26	5000022	4	5/16" Lock Washer
27	4900001	4	1/2" Nut
28	5000004	4	1/2" Flat Washer
29	4800105	2	3/8" x 1" Set Screw
30	3900003	1	Orbit Motor (See Page 58)
31	8100171	2	Plastic Rub Plate (Wide Conveyor)
32	4800098	4	3/8" x 1-1/4" Bolt
33	5000001	8	3/8" Flat Washer
34	5000019	4	3/8" Lock Washer
35	4900002	4	3/8" Nut
36	8100360	1	Slat End (Weld On) Not Shown
37	7500147	1	Brass Bushing (Idler Sprocket) Not Shown
38	8100383	1	COV\SHFT\CNVYR\256+II

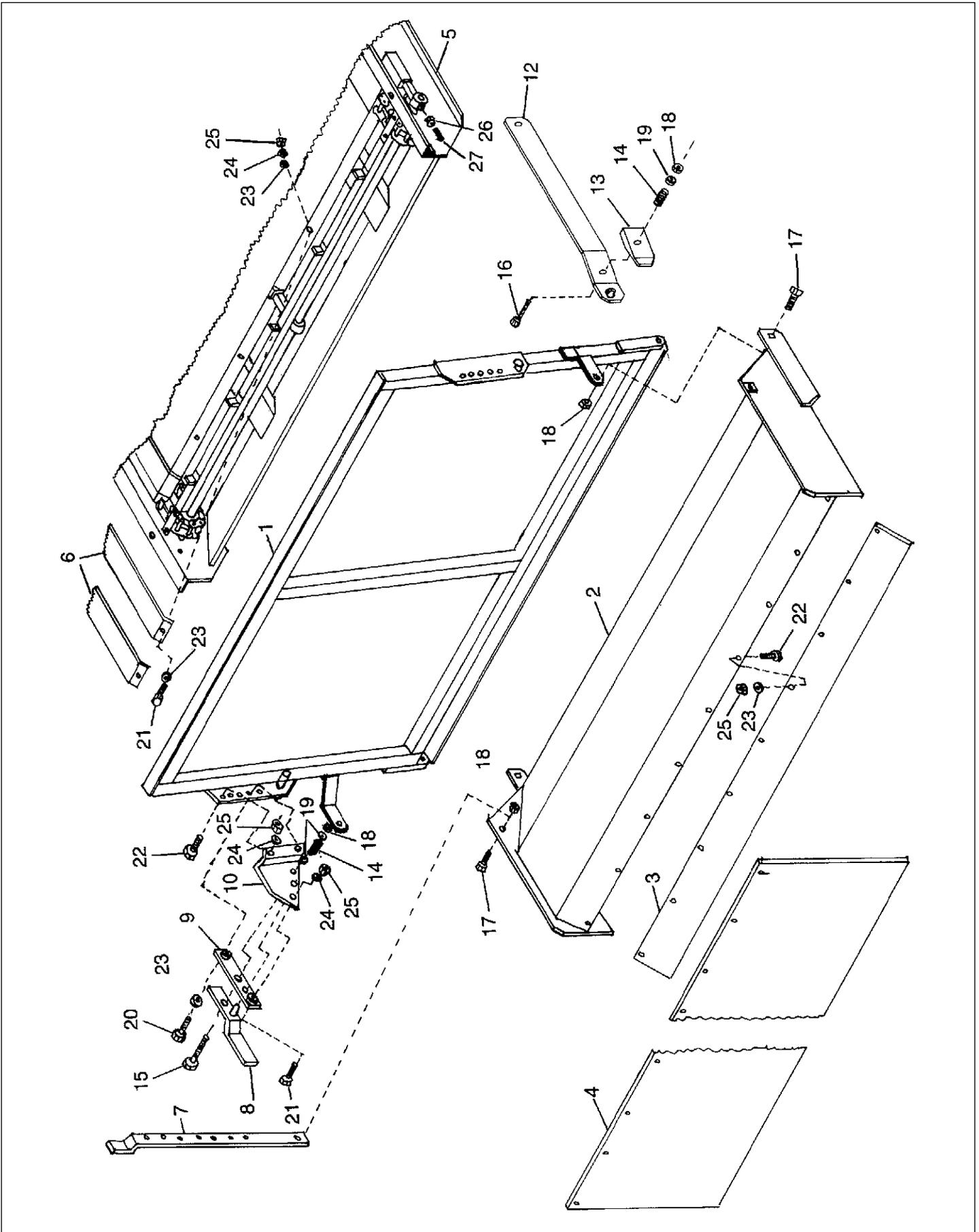
RACK AND DEFLECTOR SER. NO. THRU 1641



RACK AND DEFLECTOR S E R . N O . T H R U 1 6 4 1

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100077	1	Rack
2	8100358	2	Adjusting Link (Ser. No. 100 thru 161)
3	8100200	1	Deflector (Ser. No. 100 thru 161) No Belting
3A	8100201	1	Deflector (Ser. No. 162 thru) Holes for Belting
4	8100202	1	Belting 6" x 70"
5	0480082	2	1/2" x 1-1/2" Bolt
6	4900014	4	1/2" Lock Nut
7	4800003	11	3/8" x 1" Bolt
8	4900023	2	3/8" Lock Nut
9	5000001	9	3/8" Flat Washer
10	5000019	9	3/8" Lock Washer
11	4900002	9	3/8" Nut
12	4800061	2	1/2" x 1-1/2" Carriage Bolt
13	4800286	2	5/8" x 1-3/4" Button Head Rivet

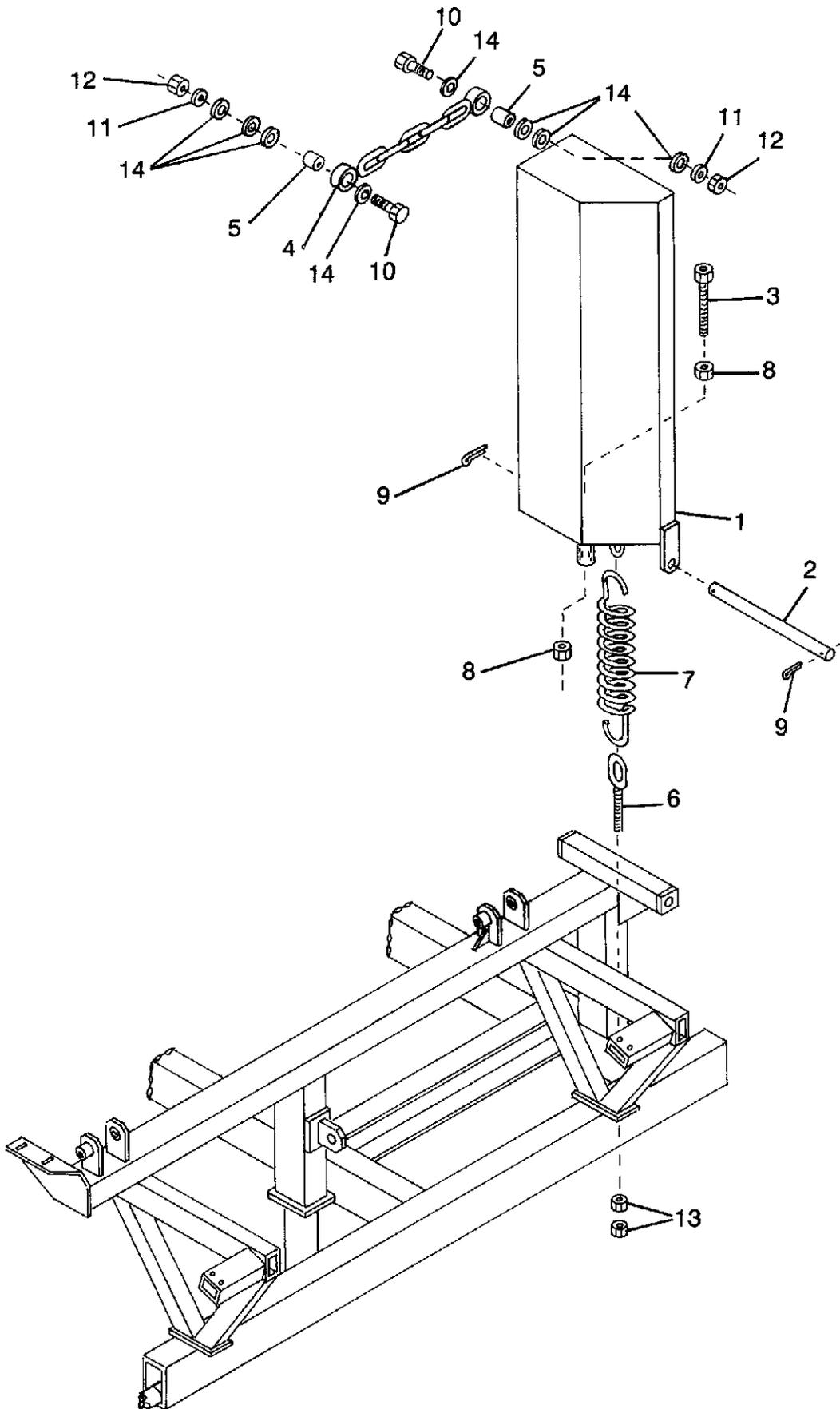
RACK AND DEFLECTOR SER. NO. 1642 THRU



RACK AND DEFLECTOR SER. NO. 1642 THRU

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100286	1	Rack
2	8100201	1	Deflector
3	8100202	1	Deflector Belt 3/8" x 6" x 69-3/4"
4	8100420	1	Deflector Belt 3/16" x 18" x 69-3/4" (Option)
5	8100394	1	Wide Conveyor
6	8100171	2	SLIDE\CNVYR\256\2620
7	8100414	2	Adjusting Strap
8	8100216	2	Latch Handle
9	8100215	2	Strap Retainer
10	8100213	1	Mounting Plate, Front
11	8100214	1	Mounting Plate, Rear (Not Shown)
12	8100412	1	Rack Hanger Strap, Rear 26-1/2" Long
12A	8100411	1	Rack Hanger Strap, Front 24" Long
13	8100416	2	Rack Strap Locking Bracket
14	6100002	2	Spring
15	4800135	2	1/2" x 3-1/2" Bolt
16	4800068	2	1/2" x 3" Bolt
17	4800082	4	1/2" x 1-1/2" Bolt
18	4900014	8	1/2" Lock Nut
19	5000004	6	1/2" Flat Washer
20	4800142	2	3/8" x 1-3/4" Bolt
21	4800098	6	3/8" x 1-1/4" Bolt
22	4800003	11	3/8" x 1" Bolt
23	5000001	15	3/8" Flat Washer
24	5000019	8	3/8" Lock Washer
25	4900002	13	3/8" Nut
26	4900026	2	3/8" Jam Nut
27	4800105	2	3/8" x 1" Set Screw

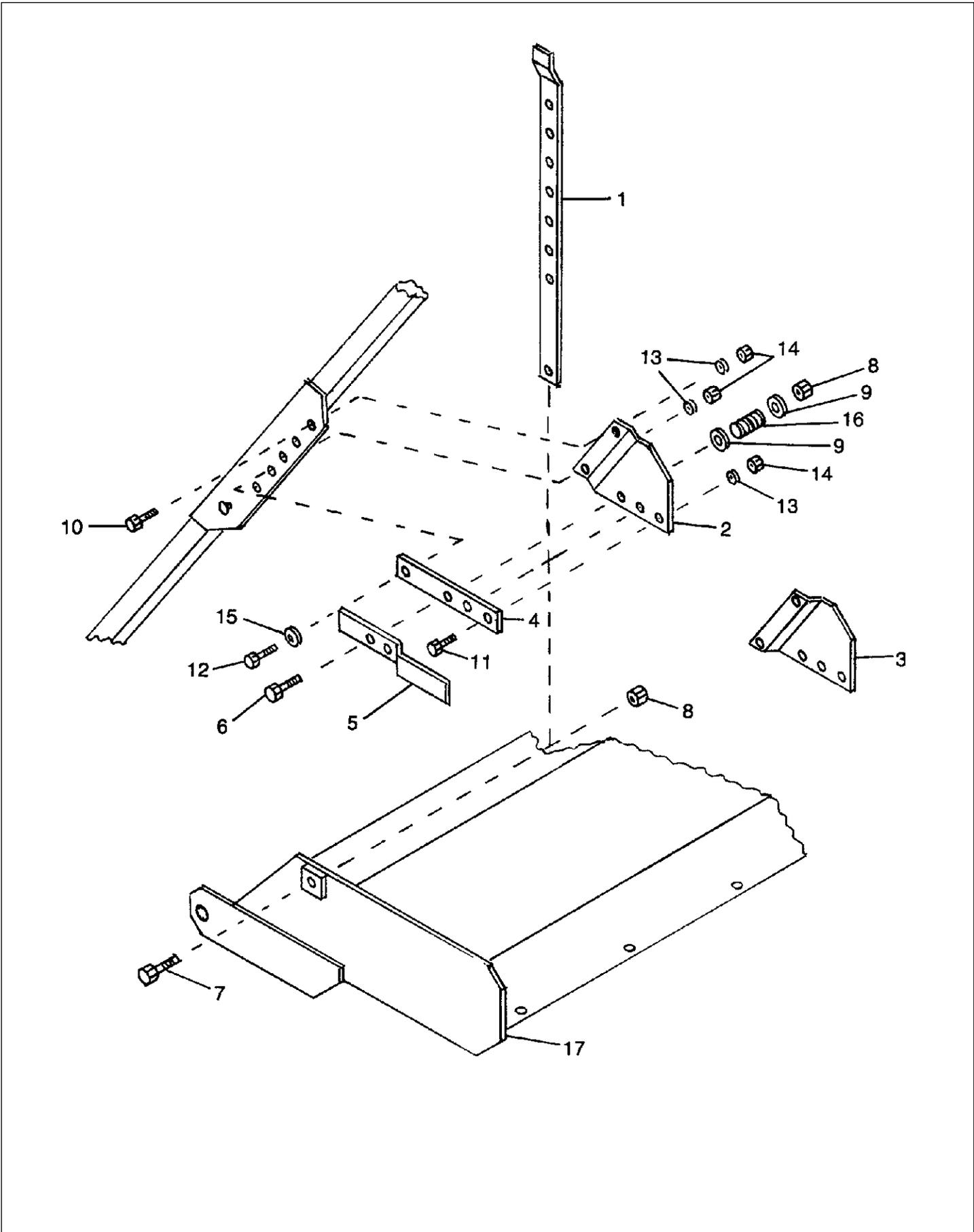
SPILLAGE SHIELD



SPILLAGE SHIELD

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100388	1	Spillage Shield
2	8200008	2	Hinge Pin 1" x 16"
3	8100207	1	Adj. Bolt 3/4" x 8"
4	8100208	1	Chain Linkage w/Eyes
5	8100209	2	Linkage Bushing
6	8100194	1	Eve Bolt
7	6100013	1	Spring
8	4900004	2	3/4" Nuts
9	4800103	2	1/4" x 2" Cotter Pin
10	4800142	2	3/8" x 1-3/4" Bolt
11	5000019	2	3/8" Lock Washer
12	4900002	2	3/8" Nut
13	4900001	2	1/2" Nut
14	5000001	8	3/8" Flat Washer

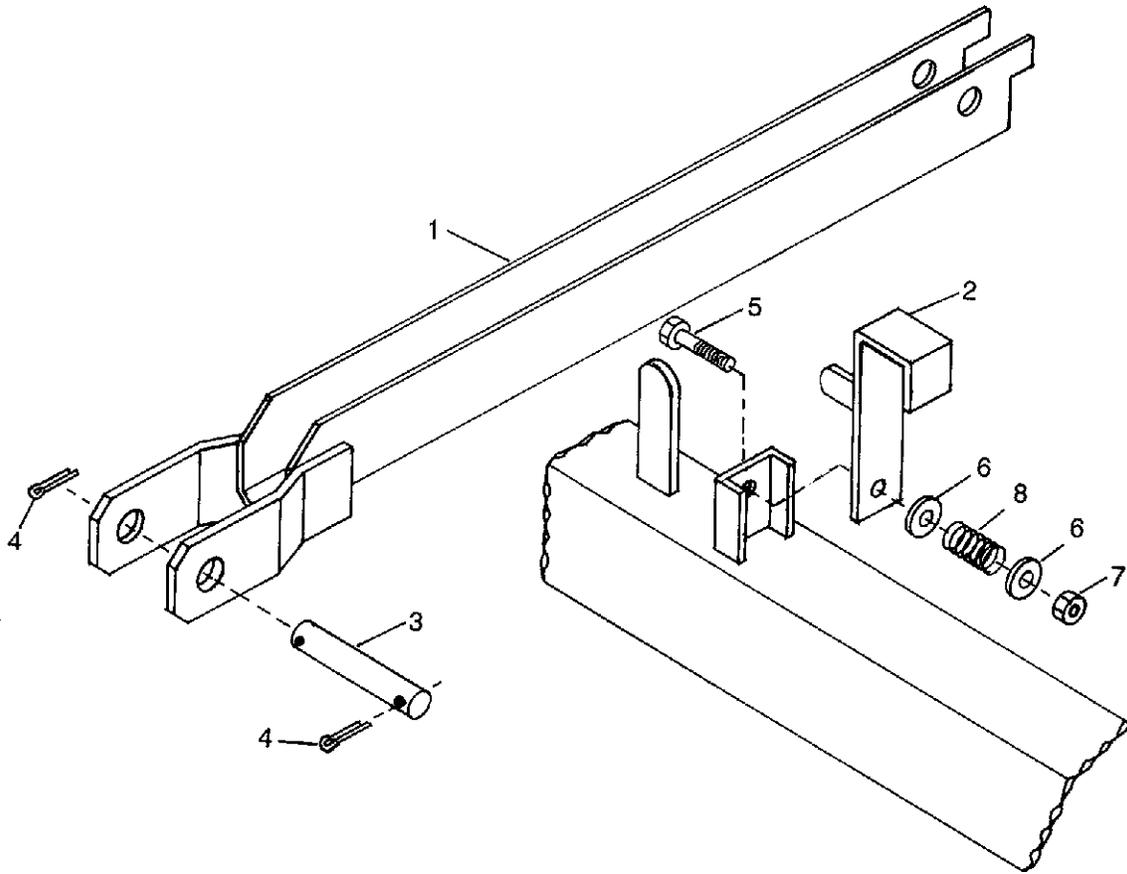
SPRING LOADED DEFLECTOR ADJUSTMENT



SPRING LOADED DEFLECTOR ADJUSTMENT

ITEM	PART NO.	QTY.	DESCRIPTION
1	8100212	2	Adjusting Strap
2	8100213	1	Mounting Plate Front
3	8100214	1	Mounting Plate Rear
4	8100215	1	Strap Retainer
5	8100216	2	Latch Handle
6	4800135	2	1/2" x 3-1/2" Bolt
7	4800082	2	1/2" x 1-1/2" Bolt
8	4900014	4	1/2" Lock Nut
9	5000016	4	7/16" Flat Washer
10	4800003	2	3/8" x 1" Bolt
11	4800098	2	3/8" x 1-1/4" Bolt
12	4800142	2	3/8" x 1-3/4" Bolt
13	5000019	6	3/8" Lock Washer
14	4900002	6	3/8" Nut
15	5000001	2	3/8" Flat Washer
16	6100002	2	Spring
17	8100201	1	Deflector S/N 162 thru

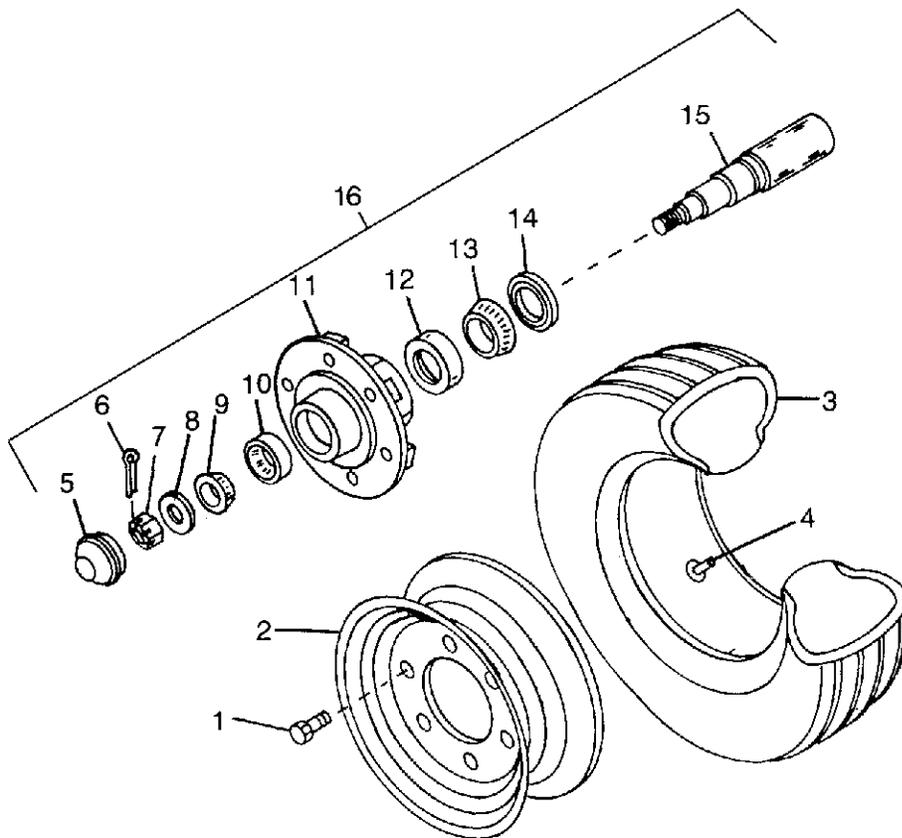
CYLINDER STOP AND LATCH



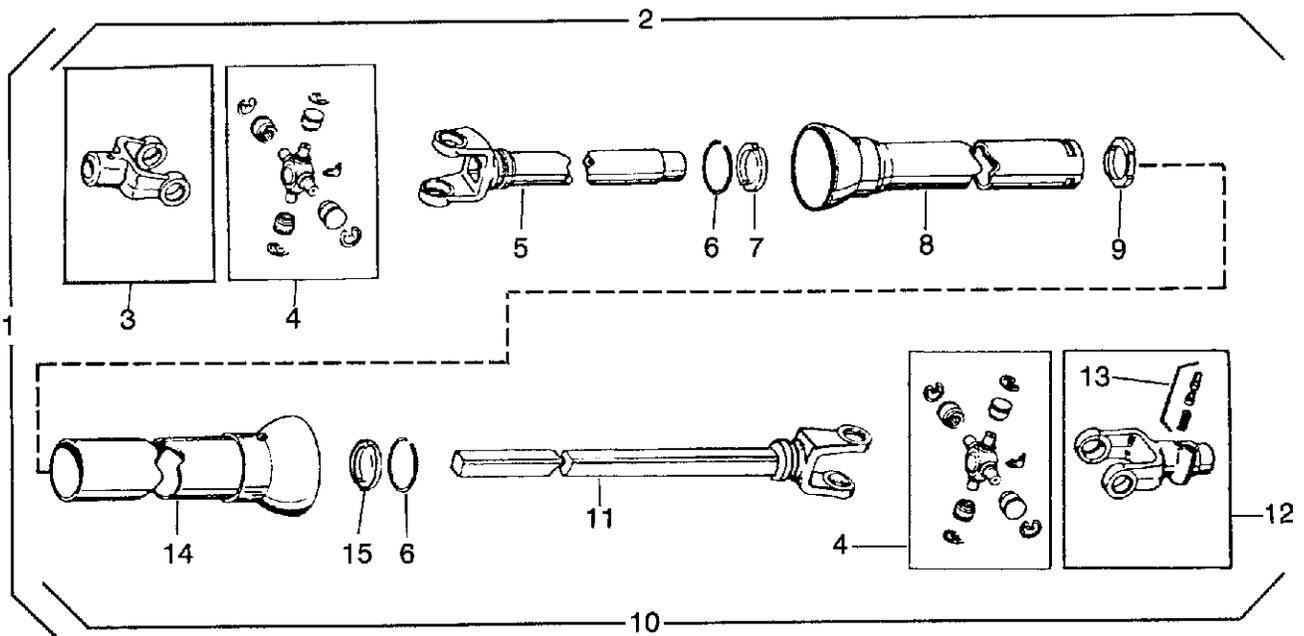
ITEM	PART NO.	QTY.	DESCRIPTION
1	8100415	1	Cylinder Stop
2	8100211	1	Cylinder Stop Latch
3	8200009	2	Cylinder Pin 1" x 4-1/2"
4	4800103	2	1/4" x 2" Cotter Pin
5	4800051	1	1/2" x 2-1/2" Bolt
6	5000004	2	1/2" Flat Washer
7	4900001	1	1/2" Lock Nut
8	6100002	1	Spring

AXLES AND WHEELS

ITEM	PART NO.	QTY.	DESCRIPTION
1	2900012	6	Wheel Bolts, Per Hub
2	2600624	2	Wheel, 15" x 10 6-Bolt
3	2600023	2	Tire, 11 L x 15
4	2700004	2	Tube, 11L-15-16
5	2900013	1	Cap
6	3000005	1	Key, Cotter
7	4900054	1	Nut, Spindle
8	5500055	1	Washer, 7/8 Flat
9	2900018	1	Cone, Outer
10	2900004	1	Cup, Outer
11	2900068	1	Hub
12	2900006	1	Cup, Inner
13	2900007	1	Cone, Inner
14	2900008	1	Grease Seal
15	3000002	1	Spindle, Less Nut and Key
16	2900069	1	Hub Complete
	2600824	2	Tire & Rim Assy



P.T.O. ASSEMBLY PARTS LIST SER.NO. 100 TO 1641



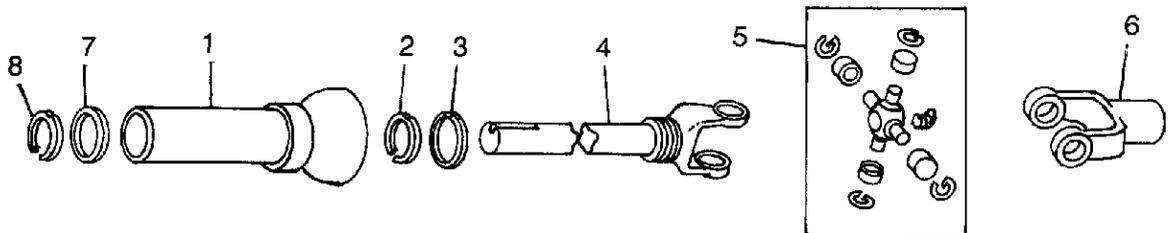
ITEM	PART NO.	QTY.	DESCRIPTION
1	3600107	1	35RW Universal Joint and Telescoping Shaft Assembly with Guard
2	3600108	1	Joint and Tube with Guard, Machine 1/2 Complete
3	3600079	1	Yoke 1-3/4" Rd.
4	3600042	2	Repair Kit
5	3600109	1	Yoke and Tube
6	3600047	2	Bearing Retainer
7	3600052	1	Nylon Bearing
8	3600110	1	Male Guard Tube, Inner
9	3600049	1	Nylon Centralizer
10A	3600187	1	Joint and Shaft Half w/Guard Tractor Complete 540 RPM
10B	3600207	1	Joint and Shaft Half w/Guard Tractor Complete 1-3/4" x 20 Spline 1000 RPM
10C	3600111	1	Joint and Shaft Half with Guard, Tractor Complete 1000 RPM
11	3600112	1	Yoke and Shaft
12A	3600162	1	Yoke 6 Spline 540 RPM
12B	3600084	1	O.D. Yoke Assembly, 1000 RPM
13	3600056	1	Safe-T-Pin and Spring Kit
14	3600113	1	Female Guard Tube
15	3600048	1	Nylon Bearing

POWER SHAFT ASSEMBLY SER. NO. 100 TO 1641

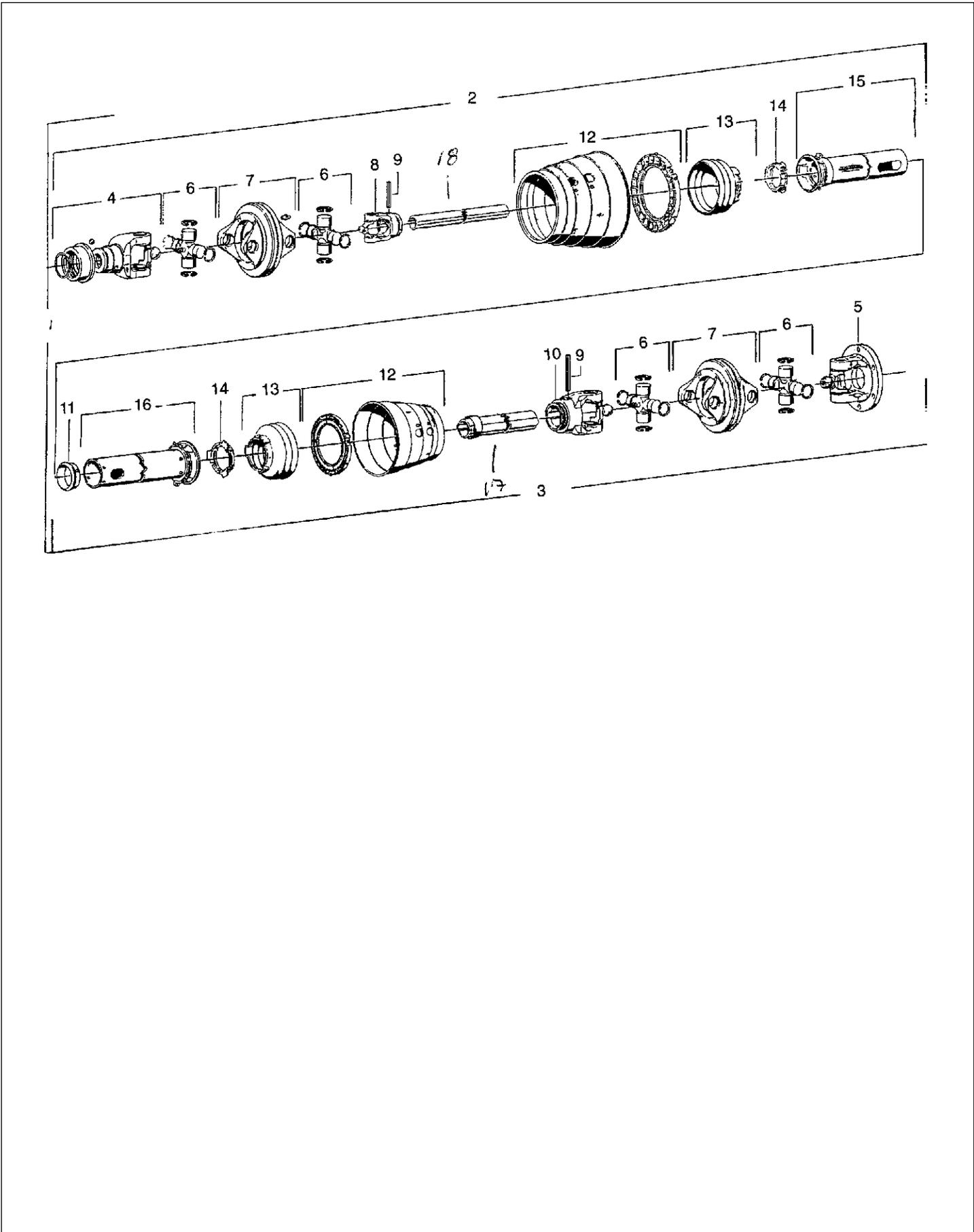
ITEM	PART NO.	QTY.	DESCRIPTION
1	3600148	1	Guard Tube 28-9/16" Long
2	3600052	1	Nylon Bearing
3	3600047	2	Bearing Retainer
4	3600149	1	Yoke and Shaft 35-5/16
5	3600042	1	Repair Kit
6	3600079	1	Yoke 1-3/4"
7	3600134	1	Nylon Bearing
8	3600135	2	Bearing Retainer
9	3600184	1	PTO Complete

Plastic Guard PTO

ITEM	PART NO.	QTY.	DESCRIPTION
1	3600514	1	GUARD\SET\PTO\7
2	3600052	1	Nylon Bearing
3	3600047	2	Bearing Retainer
4	3600515	1	JOINT\SHAFT\ASM W-GRD-ST7
5	3600042	1	Repair Kit
6	3600079	1	Yoke 1-3/4"
7	3600134	1	Nylon Bearing
8	3600135	2	Bearing Retainer
9	3600513	1	PTO\242-22267\35R7

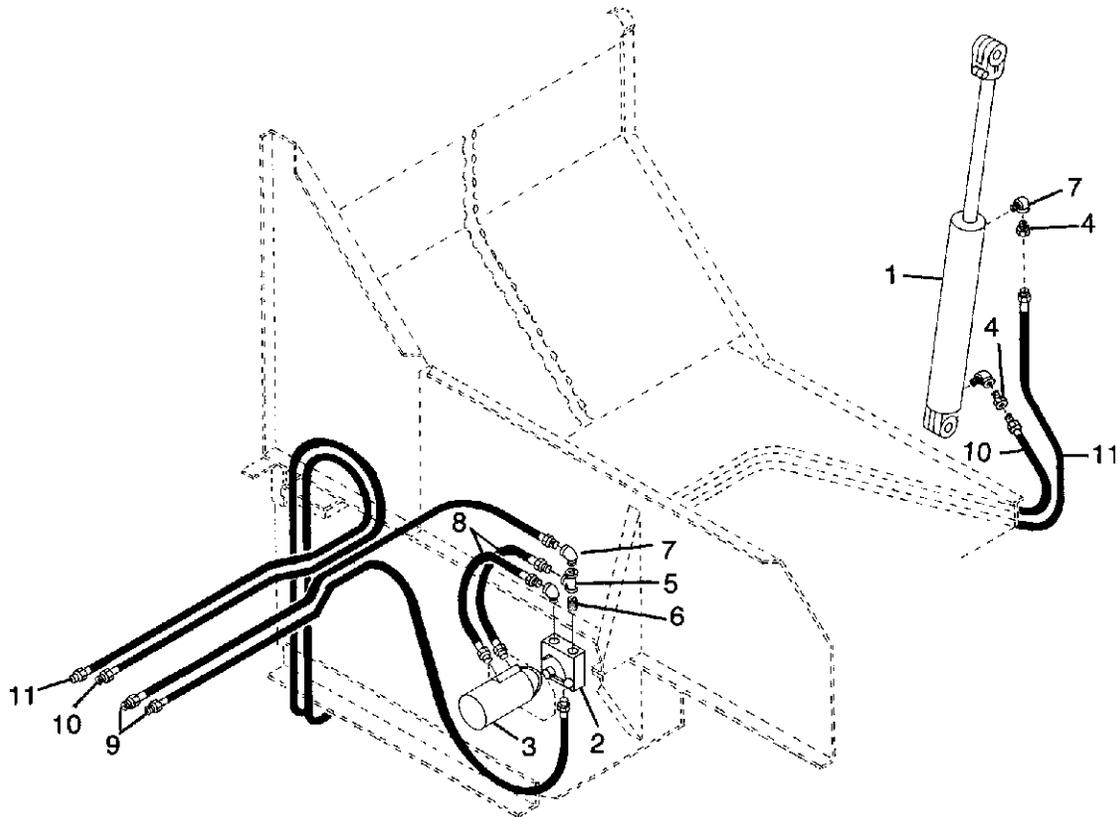


P.T.O. ASSEMBLY PARTS LIST SER. NO. 1642



P.T.O. ASSEMBLY PARTS LIST SER. NO. 1642

ITEM	PART NO.	QTY.	DESCRIPTION
1	3600200	1	Wide Angle Driveshaft with Shielding
2	3600224	1	Male Wide Angle Half Shaft with Shielding
3	3600225	1	Female Wide Angle Half Shaft with Shielding
4	3600211	1	End Yoke
5	3600217	1	Flange Yoke
6	3600214	4	Cross & Bearing Kit
7	3600212	2	Double Yoke Assembly
8	3600213	1	Inboard Yoke
9	3600215	2	Spring Pin
10	3600216	1	Inboard Yoke
11	3600223	1	Support Bearing
12	3600221	2	Wide Angle Shield Cone & Bearing Assembly
13	3600222	2	Shield Cone 3 Rib
14	3600218	2	Bearing Ring
15	3600219	1	Outer Shield Tube w/Cap
16	3600220	1	Inner Shld Tube w/Cap
17	3600248	1	Outer Profile 3600200
18	3600247	1	Inner Profile 3600200



**CONVERSION TO
SINGLE HYDRAULIC HOOK-UP
(DUAL HYDRAULIC HOOK-UP)**

ITEM	PART NO.	QTY.	DESCRIPTION
1	4100086	1	Hydraulic Cylinder, 3 x 30 1-1/2 Welded
2	3800036	1	Flow Control Valve
3	3900003	1	Hydraulic Motor
4	3800061	2	1/2" x 1/16" Restrictor Bushing
5	3800009	1	1/2" Tee
6	3800045	1	1/2" x 2" Closed Nipple
7	3800008	4	1/2" Elbow, 90° St.
8	3700018	2	1/2" Hose, 18" Long
9	3700173	2	1/2" Hose, 112" Long
10	3700174	1	1/2" Hose, 262" Long
11	3700175	1	1/2" Hose, 286" Long
	4100103		Hydraulic Cylinder Seal Kit

CONVERSION TO SINGLE HYDRAULIC HOOK-UP

1A	4000024	1	Selector Valve
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HYDRAULICS PARTS LIST SER. NO. 1642 THRU

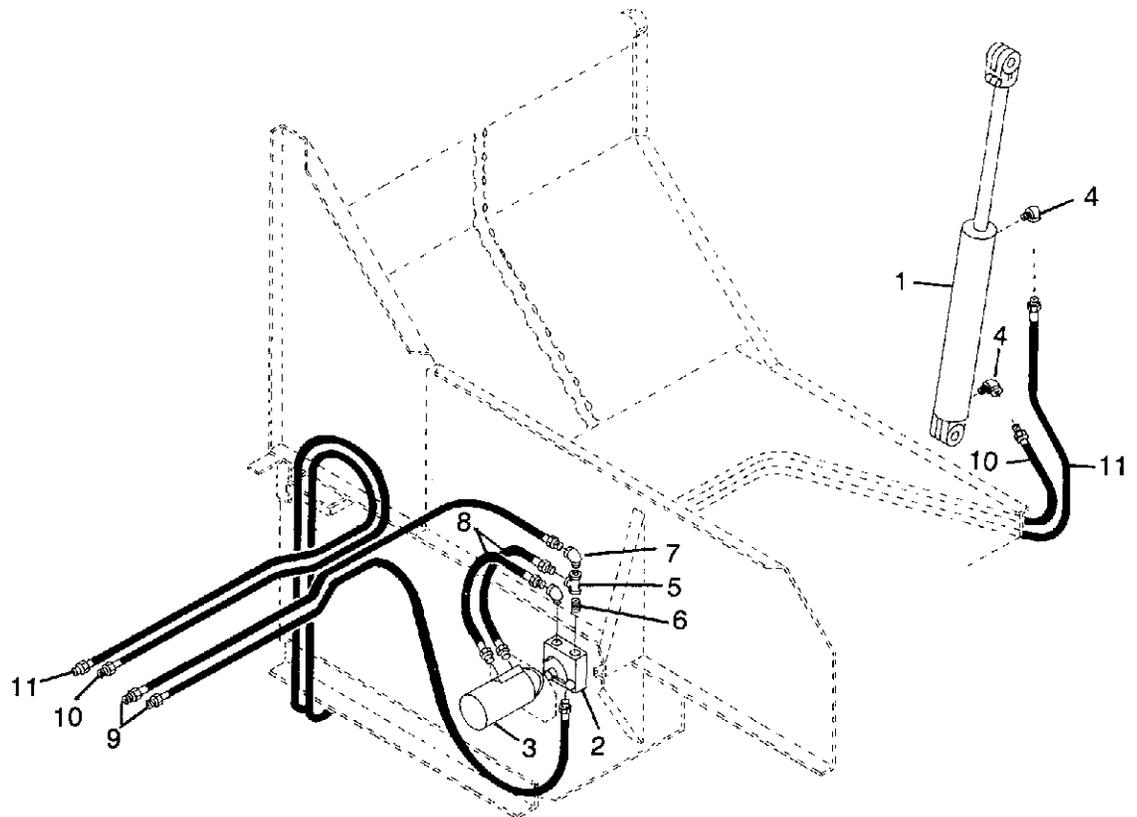
ITEM	PART NO.	QTY.	DESCRIPTION
1	4100086	1	Hydraulic Cylinder, 3 x 30 1-1/2 Welded
2	3800036	1	Flow Control Valve
3	3900003	1	Hydraulic Motor
4	3800228	2	1/2" x 1/16" Restrictor Elbow
5	3800009	1	1/2" Tee
6	3800045	1	1/2" x 2" Closed Nipple
7	3800008	2	1/2" Elbow, 90° St.
8	3700018	1	1/2" Hose, 18" Long SW SO
9	3700318	2	1/2" Hose, 126" Long SO-SO
10	3700319	1	1/2" Hose, 276" Long SO-SO
11	3700320	1	1/2" Hose, 300" Long SO-SO
12	3700065	1	1/2" Hose 16" Long SW-SO

NOT SHOWN PARTS FOR 3 X 30 CYLINDER 4100086

13	4100096	1	Piston
14	4100097	1	Barrel
15	4100098	1	Rod
16	4100103	1	Seal Kit
17	4100102	1	Glands (End Cap)
18	4100128	1	Yoke (Clevis)

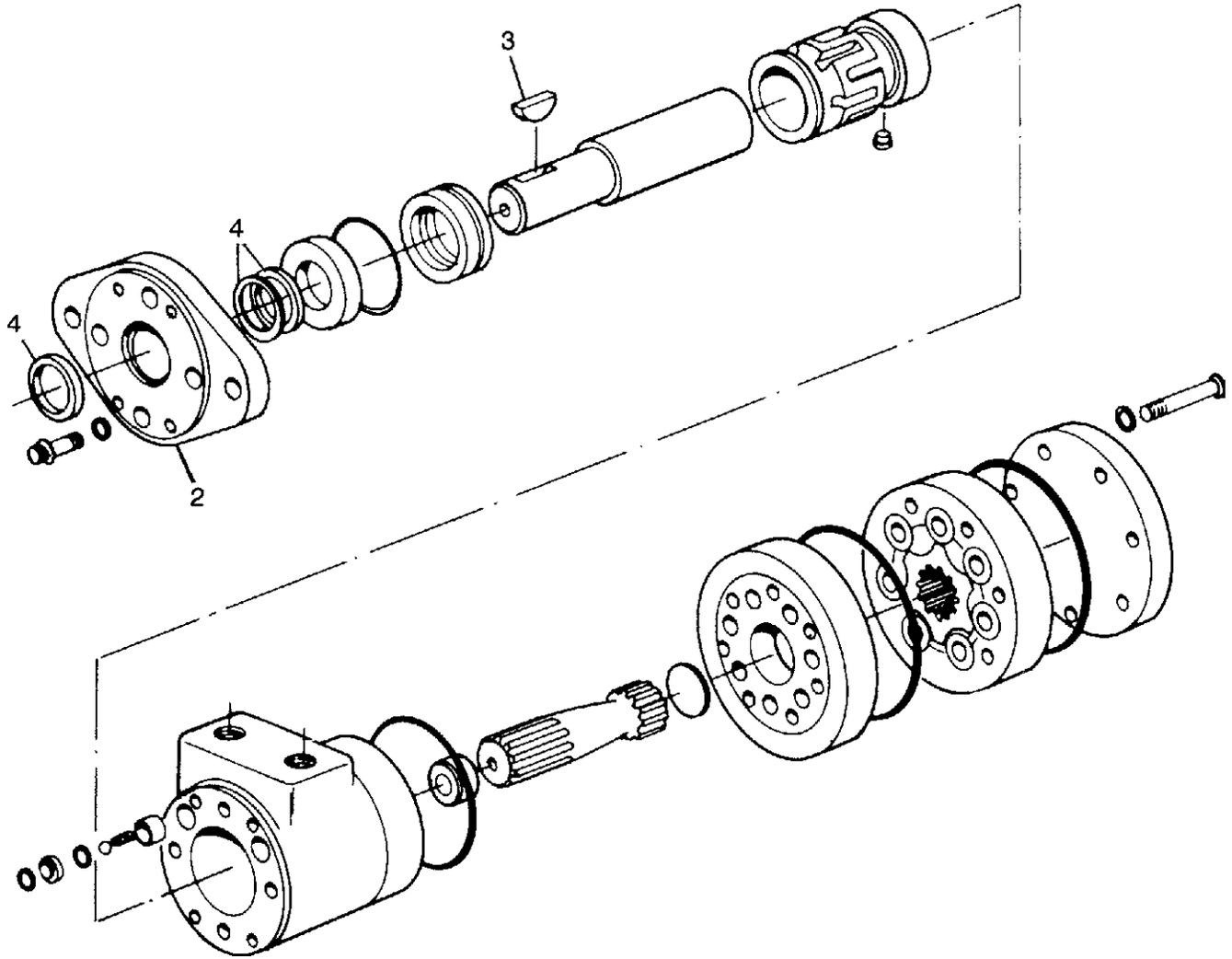
CONVERSION TO SINGLE HYDRAULIC HOOK-UP

1A	4000024	1	Selector Valve
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(DUAL HYDRAULIC HOOK-UP)

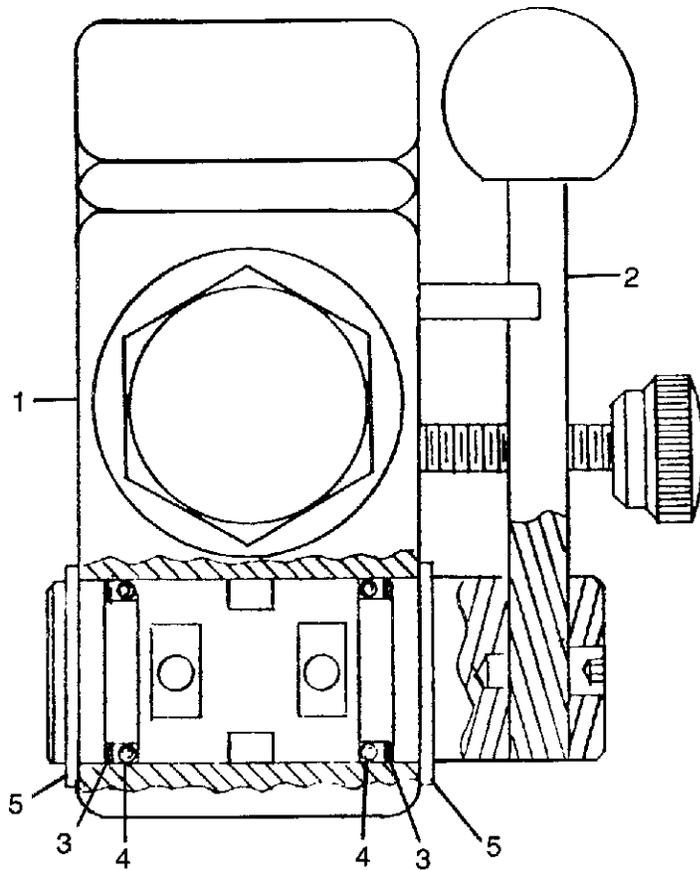
ORBIT MOTOR



ITEM	PART NO.	QTY.	DESCRIPTION
2	3900002	1	Mounting Flange
3	6200011	1	Key, Woodruff
4	7501006	1	Seal Kit, Orbit
5	3900003	1	Orbit Motor Complete, 207
6	3900008	1	Orbit Motor Complete, 208 (Optional)

FLOW CONTROL VALVE

ITEM	PART NO.	QTY.	DESCRIPTION
1	3800036	1	Flow Control Valve
2	4000031	1	Handle Assembly
3	4000032	2	Backup Seal
4	4000033	2	O-Ring
5	4000034	2	Snap Ring
	4000091		Seal Kit - Includes #3 & #4





15 MANUFACTURED BY



2

⚠ DANGER

FLYING HAY, ROCKS, AND OTHER OBJECTS THROWN BY MACHINE.

STAY CLEAR OF DISCHARGE SIDE OF MACHINE UNLESS OPERATOR HAS STOPPED TRACTOR ENGINE AND MACHINE HAS STOPPED ROTATING.

FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SEVERE PERSONAL INJURY OR DEATH.

8500094

3

⚠ DANGER

ROTATING FLAILS CAN KILL OR DISMEMBER

KEEP CLEAR OF MACHINE UNTIL POWER TAKE-OFF HAS BEEN DISENGAGED, TRACTOR ENGINE SHUT OFF AND FLAIL ROTATION STOPPED

8500023

5

⚠ DANGER

ROTATING DRIVELINE CONTACT CAN CAUSE DEATH KEEP AWAY!

DO NOT OPERATE WITHOUT —

- ALL DRIVELINE, TRACTOR AND EQUIPMENT SHIELDS IN PLACE
- DRIVELINES SECURELY ATTACHED AT BOTH ENDS
- DRIVELINE SHIELDS THAT TURN FREELY ON DRIVELINE

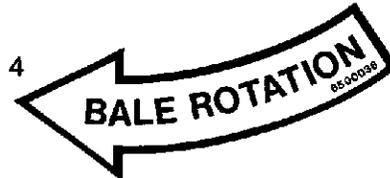
8500040

6

⚠ WARNING

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

8500040



7

⚠ 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 OPERATOR'S 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, UNBLOCKING, 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.

8500041

8

KEEP WHEEL BOLTS TIGHT

8500042

9

⚠ WARNING

NO RIDERS

SERIOUS PERSONAL INJURY COULD RESULT FROM RIDING ON THE MACHINE

8500043

10

256 Plus II

13

⚠ CAUTION

INSERT TRANSPORT LOCKS BEFORE MOVING ON ROADS

8500112

14

⚠ CAUTION

Adjust the tractor drawbar so that the distance from the end of the PTO shaft on the tractor to the center of the drawbar hitch pin is 14" to 16"

8500044

12

⚠ WARNING

WAIT FOR ALL MOVEMENT TO STOP FAILURE TO USE CAUTION COULD RESULT IN SERIOUS INJURY OR DEATH

8500110

11

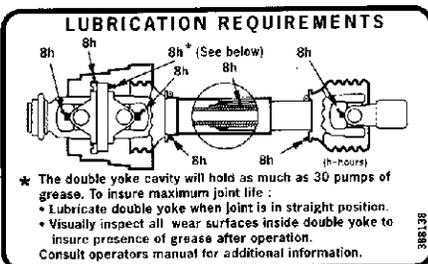
MATERIAL BUILDUP CAN CAUSE DAMAGE. KEEP THESE AREAS CLEAN!

8500115

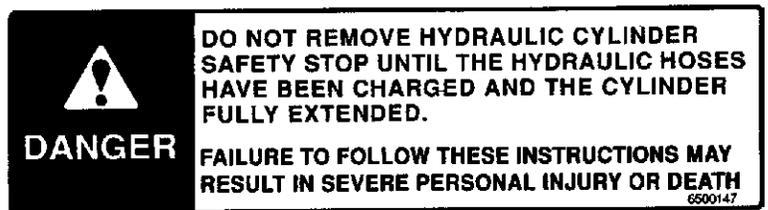
DECALS

ITEM	PART NO.	QTY.	DESCRIPTION
1	6500020	2	Haybuster
2	6500034	2	Danger, Flying Hay
3	6500035	2	Danger, Rotating Flails
4	6500036	1	Bale Rotation
5	6500085	1	Danger Rotating Drive Line
6	6500040	2	Warning, Keep All Shields In Place
7	6500041	1	Warning, For Your Protection
8	6500042	1	Keep Wheel Bolts Tight
9	6500043	1	Warning, No Riders
10	6500109	3	256 & 11
11	6500113	2	Material Buildup
12	6500110	2	Warning, Wait For All Movement to stop
13	6500112	1	Caution, Insert Transport Locks
14	6500057	1	Adjust Tractor Drawbar
15	6500146	1	Mfg. by Haybuster
16	6500196	1	Walterschied PTO Lubrication Requirements (388138)
17	6500147	1	Danger, Do Not Remove
18	6300171		Decal Kit

16



17



NOTES