



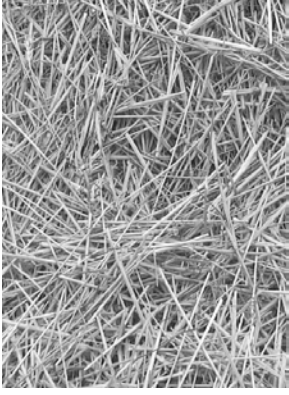
HAYBUSTER[®]

2554[™]
BALEBUSTER[™]

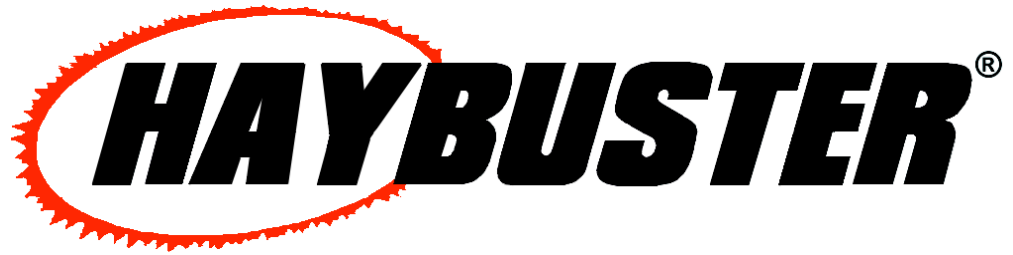
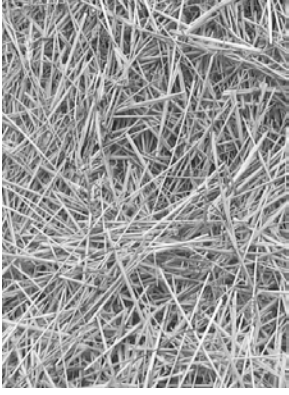
SERIAL NUMBER AJ030554 AND UP

**Operating Instructions
and Parts Reference**





HAYBUSTER[®]
A Tradition of Innovation Since 1966



2554TM



BALEBUSTERTM

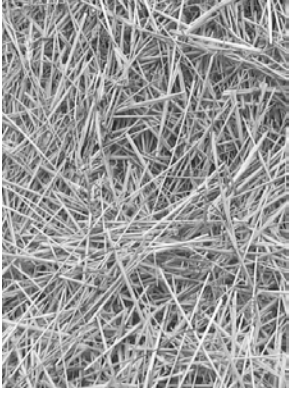
SERIAL NUMBER AJ030554 AND UP

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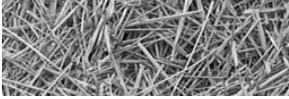
DuraTech Industries International Inc.(DuraTech Industries) has made every effort to assure that this manual completely and accurately describes the operation and maintenance of the 2554TM BALEBUSTERTM as of the date of publication. DuraTech Industries reserves the right to make updates to the machine 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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HAYBUSTER[®]
A Tradition of Innovation Since 1966



Foreword

All personnel must read and understand the following sections before operating the *BALEBUSTER™*.

- Section 2, "Dealer Preparation," to verify that the machine has been prepared for use.
- Section 3, "Operation," which explain normal operation of the machine.
- Foreword and Section 1, important safety information.
- Section 3.1, "Pre-Operation Inspection".

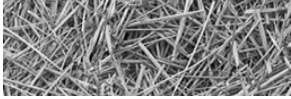
Appropriate use of unit

Your model 2554™ *BALEBUSTER™* is designed to load and shred most types of baled livestock forage. It is designed specifically for use on 6 foot. diameter round bales weighing up to 2,000 pounds and 5-1/2 feet in length

To avoid possible damage to the machine and risk of injury to the operator, consult with a DuraTech representative before attempting to shred materials other than livestock forage.

The *BALEBUSTER* has multiple uses:

- Laying forage windrows in open fields.
- Filling feed bunks - fenceline, circular etc.
- Spreading straw for livestock bedding.
- Spreading mulch over perennial plants, such as strawberries, mushrooms, etc.



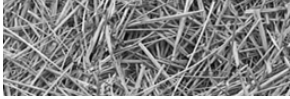
- Spreading mulch over reclaimed land areas.
- Spreading mulch over sugar beets for storage.

Operator protection

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



WARNING: The **OPERATOR IS RESPONSIBLE** for the safety of the operator and those in the surrounding area. Operators of the **BALEBUSTER** are required to wear head, eye, and ear protection, No loose clothing is allowed.



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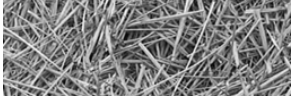
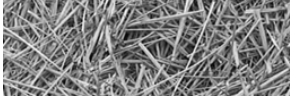


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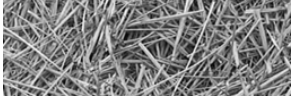
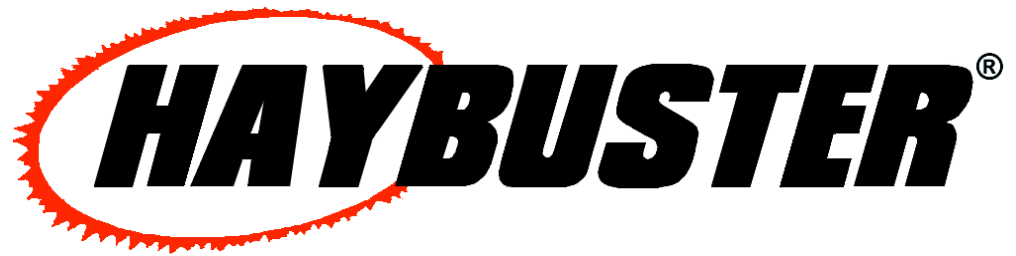
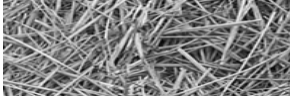


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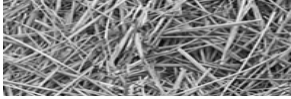


2554TM

BALEBUSTERTM

SERIAL NUMBER AJ030554 AND UP

Operating Instructions and Parts Reference



Introduction

Appropriate use of unit

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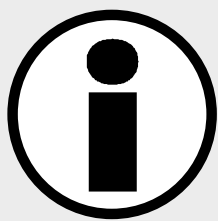
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The 2554 BALEBUSTER has multiple uses:

- Laying forage windrows in open fields.
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- Spreading mulch over sugar beets for storage.

Purpose

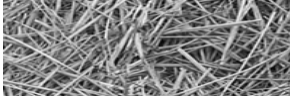
The purpose of this owner's manual is to explain maintenance requirements and routine adjustments for the most efficient operation of your 2554 BALEBUSTER. There is also a trouble shooting section that may help in case of problems in the field. Any information not covered in this manual may be obtained from your dealer.



SPECIAL NOTE: When reference is made as to front, rear, left hand, or right hand of this machine, the reference is always made from standing at the rear end of the machine and looking toward 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: 2554 BALEBUSTER

SERIAL NO. _____



How to use this manual

Manual organization

This manual is organized into the following parts:

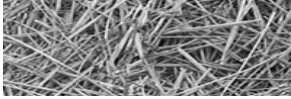
- Part 1: Operating instructions explain how to set up, use and maintain the 2554 BALEBUSTER.
- Part 2: Parts reference contains diagrams of each assembly, with the part number of each part. A key on the facing page contains a description of the part and the quantity used.

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 1 and 3, which explain normal operation of the machine, and section 4, 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.
- Tractor is setup according to section 3.3.1 “tractor set-up”



Section 1: Safety

The safety of the operator is of great importance to DuraTech Industries/Haybuster. 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 2554 BALEBUSTER.

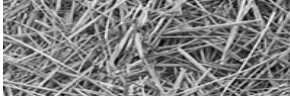
1.1 Safety-alert symbols

Decals are illustrated in **Part 2: Parts Reference**.

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 ANSI or ASAE standards in labeling its products for safety and operational characteristics.



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

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.

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.

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.

This manual uses the symbols to the right to denote 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**.



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

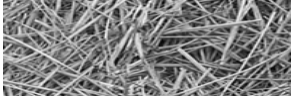


WARNING:
Signal word - Black Lettering/Orange Background
Safety Alert Symbol - Black Triangle/Orange Exclamation Point



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





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 **2554 BALEBUSTER** when you are fatigued. Be alert - If you get tired while operating your **2554 BALEBUSTER**, 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 flail and sections. Heavyduty, nonslip gloves improve your grip and protect your hands.



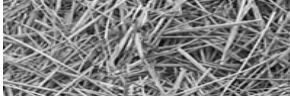
Good footing is most important. Wear sturdy boots with nonslip soles. Steel-toed safety boots are recommended.



To reduce the risk of injury to your eyes never operate a **2554 BALEBUSTER** 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:** 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.




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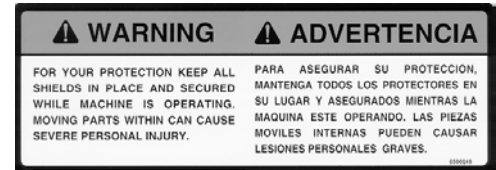
 **DANGER:** ROTATING FLAILS CAN KILL OR DISMEMBER

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




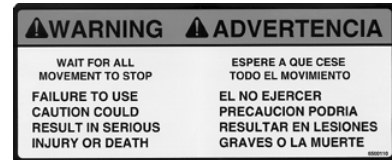
6500035

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

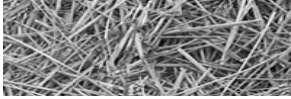


6500040

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



6500110



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.

⚠ WARNING	⚠ ADVERTENCIA
<p>FOR YOUR PROTECTION AND PROTECTION OF OTHERS, PRACTICE THE FOLLOWING SAFETY RULES.</p> <ol style="list-style-type: none"> 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. 	<p>SIGLA LAS REGLAS SIGUIENTES DE SEGURIDAD PARA SU PROTECCIÓN Y LA PROTECCIÓN DE OTROS:</p> <ol style="list-style-type: none"> 1. LEA LOS MANUALES DE OPERADOR INCLUIDOS CON ESTA MAQUINA Y SU TRACTOR ANTES DE OPERAR ESTA MAQUINA. 2. PARA ASEGURARSE QUE SU TRACTOR CUMPLE CON LOS REQUISITOS MÍNIMOS PARA ESTA MAQUINA, REVISE LOS MANUALES DEL OPERADOR. 3. PARA SU SEGURIDAD Y CONVENIENCIA, LEA TODAS LAS CALCOMANÍAS COLOCADAS EN LA MAQUINA. 4. NUNCA PERMITA PASA FRENTE A ESTA MAQUINA O EN EL TRACTOR. 5. MANTÉNGA A LA DISTANCIA A LAS EXPLICACIONES HECHAS EN LA MAQUINA ESTE OPERANDO. 6. MANTÉNGA TODOS LOS PROTECTORES EN SU LUGAR MIENTRAS LA MAQUINA ESTE OPERANDO. 7. MANTÉNGA LAS MANOS, LOS PIES, ROPA SUelta, ETC., ALEJADOS DE LAS PIEZAS PROPULSORAS. 8. SIEMPRE REVISE LA MAQUINA Y EL TRACTOR ANTES DE SERVICIO, DESATASCAR O TRABAJAR CERCA DE ESTA MAQUINA, POR CUALQUIER MOTIVO, ANTES DE ACTUAR EN EL TRACTOR, EN CUALQUIER SITUACIÓN, EN ESTACIONAMIENTO O EN OTRAS SITUACIONES DE ESTACIONAMIENTO.
6500041	



CAUTION: ADJUST TRACTOR DRAWBAR SO THAT THE DISTANCE FROM THE END OF THE P.T.O. SHAFT ON THE TRACTOR TO THE CENTER OF THE DRAWBAR HITCH PIN IS 16".

⚠ CAUTION

ADJUST 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 16".

⚠ PRECAUCIÓN

AJUSTE LA BARRA DE TRACCIÓN DE EL TRACTOR A LA DISTANCIA DE 16 PULGADAS DE LA PUNTA DEL ÁRBOL MOTOR (PTO) EN EL CENTRO DE LA CLAVIA DE ENGANCHE EN LA BARRA DE TRACCIÓN.

6500057



1.4 Shielding

Shields are installed for your protection. Keep them in place, and replace damaged shields.

1.5 Personal equipment

Operators of this machine are encouraged to wear head, eye, and ear protection. Operators should not wear loose clothing.

1.6 Safety review

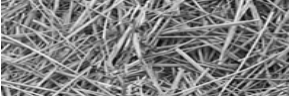
BEFORE OPERATING THE MACHINE

- Read and follow all instructions contained in:
 - A. This 2554 BALEBUSTER Operator's manual
 - B. Tractor Operator's manual
 - C. Decals placed on the 2554 BALEBUSTER



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 Appendix D., Required For Operation:**
- 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 the machine unless specifically recommended or requested by DuraTech Industries.
- Check periodically for broken or worn parts and make any necessary repairs.
- If required install the PTO safety chain. Check local regulations regarding safety chain requirements.



DURING OPERATION

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

- Everyone must be kept clear of work area except operator seated at tractor controls.
- Disengage PTO before starting engine.
- **Never work on or near BALEBUSTER unless engine is shut off and flails have stopped.**
- Keep shields in place and in good condition.
- Watch out for and avoid any object that might interfere with the proper operation of the machine.
- Power takeoff shafts must be locked in place with protective PTO shields in place.
- Keep hands, feet and clothing away from power driven parts.
- **Never leave tractor controls unattended while the engine is running.**
- Exercise extreme care when operating on rough and/or steep terrain. Avoid operation on terrain which is excessively rough or steep.
- **Make surer your tractor PTO speed never exceeds 1000 RPM.**

WHEN PERFORMING SERVICE AND MAINTENANCE



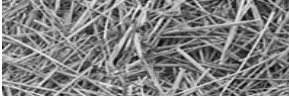
CAUTION: Before performing any maintenance or adjustments make sure machine is NOT running. If for any reason arc welding is to be done, always ground the welder close to the point where the welding is being done. It is recommended that the rotor be grounded to frame of machine to prevent arcing on bearings.

- Before working on or near the BALEBUSTER for any reason, including servicing, cleaning, unplugging or inspecting machine, use normal shut-down procedures unless instructed differently in this manual.
- Use only replacement parts that are provided by DuraTech Industries.
- 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.
- 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.



WARNING: Hydraulic fluid escaping under pressure can be visible 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.

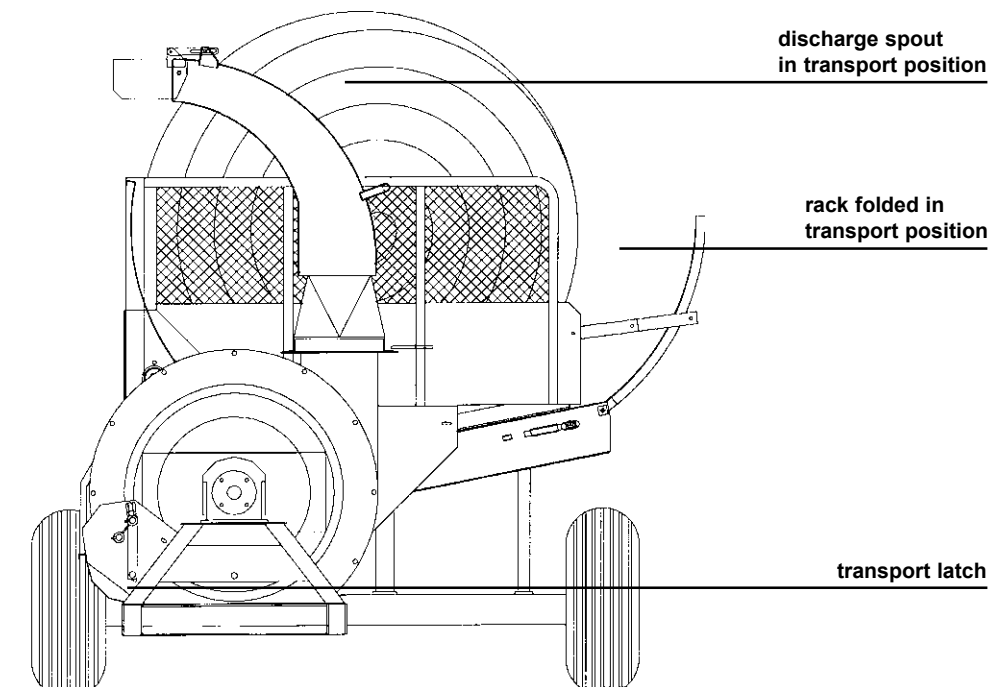
- **Never work on the BALEBUSTER with the bale loader in the raised position. Lower the bale loader to ground level.**
- Check for loose or badly worn bolts or connectors.



- Check for loose or misaligned sprockets on bale conveyor.
- Follow Lubrication Instructions.
- Inspect rotor and all rotating parts for twine or wire build-up. REMOVE DAILY
- Check air pressure in tires, inflate to the tire manufacturers recommended psi. The manufacturers recommended psi will be listed on the side wall of the tire.
- Check wheel bearings, and seals.
- Check flail bolts and tighten flail knife anchor bolts to 200 foot pounds torque. Flail should pivot on the bushing not on the bolt. Flail bolts are 5/8"x4", Gr 8 fine thread.

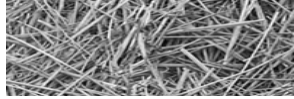
1.7 Towing/road transport

Figure 1.1
Rack, discharge spout
and fan housing in the
transport position



This machine is designed to fold for ease of transportation and storage. The rack assembly folds inside of bale chamber. A commercial driver's license may be required to tow this unit on public roads; verify with traffic control or licensing authorities.

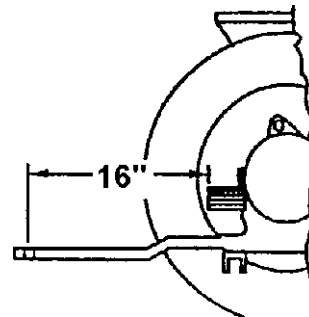
- Use good judgment and drive slowly over rough or uneven terrain.
- Be sure tractor brakes are properly adjusted and foot pedals are locked together.
- When preparing implement for transport, it is recommended that the tines be removed or a pin be removed on each tine so they can pivot into the bale chamber.
- The discharge spout must be rotated to an upright position, and the fan housing must be locked in position with the strap bolted on the right side of the main frame (see Figure 1.1).
- Check your state laws regarding the use of lights, slow moving vehicle signs, safety chain and other possible requirements.



Section 2: Dealer preparation

2.1 Assembly required

- 1 Hitch the BALEBUSTER to the tractor drawbar. Adjust the hitch so machine is parallel with ground.
- 2 Raise the jack. Pull the lock pin and store in the transport position.
- 3 Mount fork tines #8100505 & 8100506 to loader frame.. See Loader Assembly, page 48.
- 4 Mount PTO shaft 3600334 on shaft 8100597 and lock set screws and tighten bolt and nut.
- 5 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.
- 6 Pull rack assembly into operating position.
- 7 If required, install the safety chain. Check local regulations regarding safety chain requirements.
- 8 Grease PTO before use.
- 9 This machine is set up to operate on 1000 RPM only!



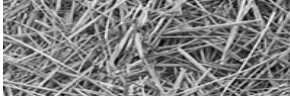
For more information
see section 3.3.1
“Tractor Set Up”

safe distance from PTO

2.2 Pre-delivery inspection

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.

- Missing items or damage in transit.
- Loose bolts or set screws.
- Hydraulics components for leaks or damage.
- Lug bolts for tightness.
- Tires for proper air pressure.
- Condition of tire rims.
- Proper lubrication.
- All chains for proper adjustment.
- All shields for installation and condition.
- Condition of all decals.
- All phases of operation.
- Check for loose flail bolts, torque to 200 ft. lbs.



2.3 Machine operation check

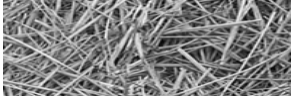
With Tractor hooked up to the BALEBUSTER, try all functions on the machine.

With the engine off and key removed from the switch:

1. Adjust the spout, the fan housing should turn, if equipped with the hand crank option.
2. Adjust the deflector tip on the spout.
3. Adjust the slug bar

With the engine at idle:

1. Raise and lower the loading arms.
2. Adjust the spout if equipped with the hydraulic motor option.
3. Engage the bale conveyor, adjust conveyor speed control valve on the BALEBUSTER.
4. Engage the tractor PTO, the rotor, transfer auger, and fan should be running. Listen for any odd noises and vibrations.

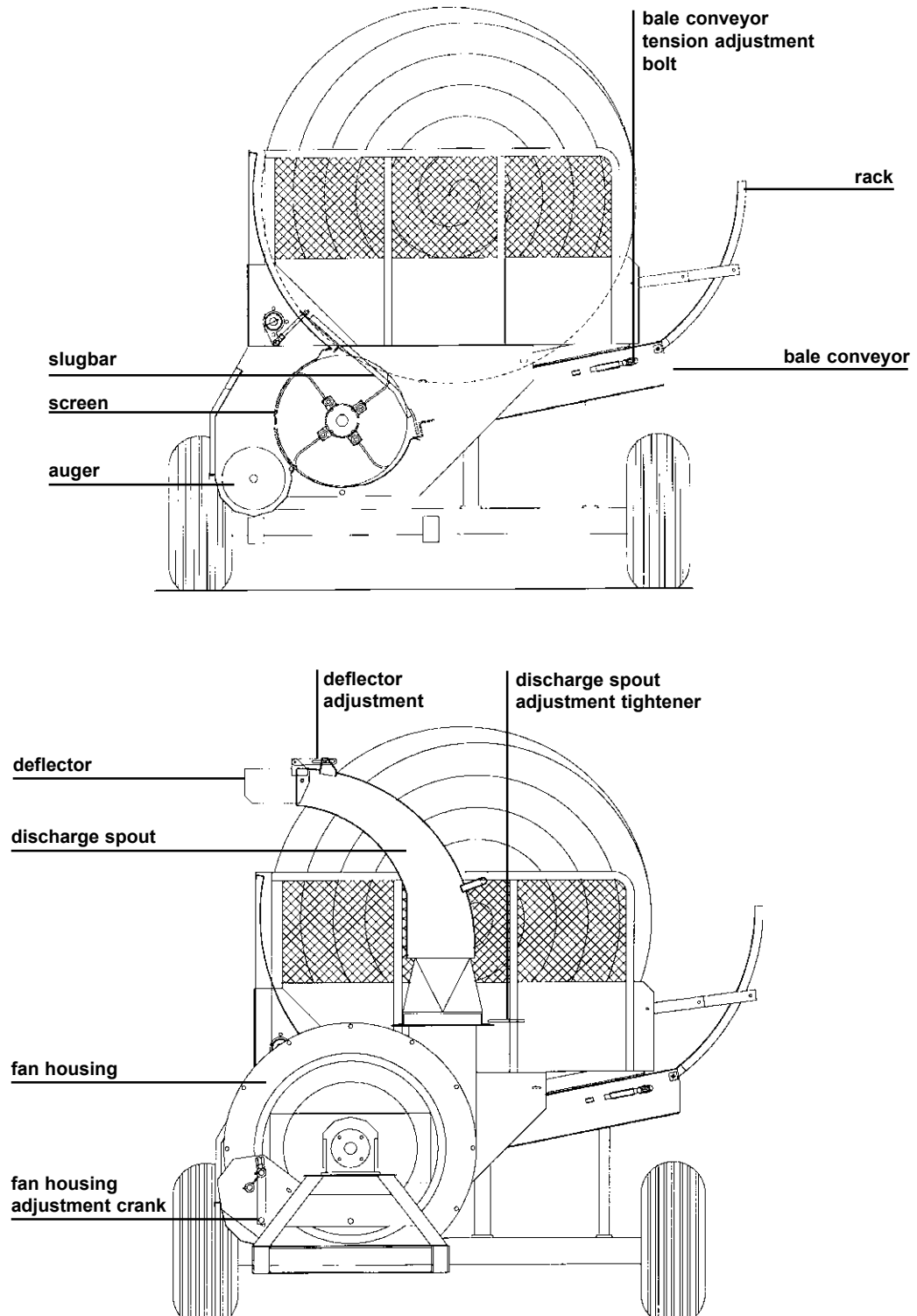


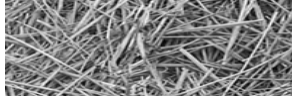
Section 3: Operation

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

Figure 3.1
Location of major
components





3.1 Pre-operation inspection

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 BALEBUSTER.



WARNING: Before inspecting the machine, use the normal shut-down procedure in section 3.3.4.

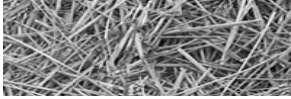
Check the following:

- Transfer auger and screen for material buildup, and chunks from screen that have fallen into the transfer auger.
- Condition of flails and attachment bolts. Flail nuts are to be tightened to 200 ft. lbs..
- Rotor for twine build-up.
- Chains for proper tension, and condition.
- Keep auger pan door closed during operation
- Check for loose bolts, worn or broken parts.
- All lubrication points have been serviced.
- Lug nuts for tightness.
- Condition of tire rims.
- Tires for proper air pressure.
- Installation of slow moving vehicle (SMV) sign if required.
- Installation and condition of shields.
- Condition of decals.
- 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.

- Test run the BALEBUSTER before loading. To prevent damaging the BALEBUSTER always engage PTO with engine idling. Look for excessive vibration, loose or broken parts. Make any necessary repairs before attempting to do any bale feeding.



3.2 Introduction to the machine

3.2.1 Operator controls

Operator controlled items:

- The loading tines, to load the bale. See section 3.3.6, “Loading”
- The PTO shaft, which runs the fan, auger, and rotor.
- The bale conveyor chain.

Adjustable items:

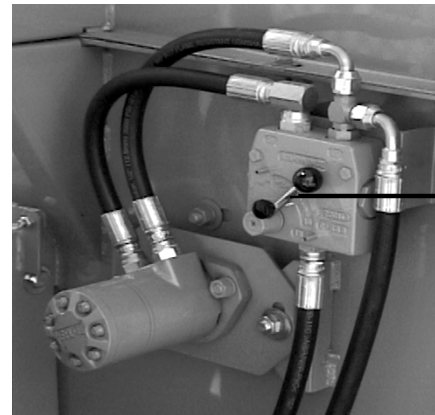
- The conveyor speed control valve. See section 3.4.4, “Adjusting the bale conveyor speed”
- Slug bar setting
- Screen size
- Spout and spout deflector settings

3.2.2 Bale conveyor

The Bale conveyor keeps the bale moving into the flails, forcing the bale to rotate, and keeping product in front of the flails

Bale conveyor speed is set with the conveyor speed control valve or tractor controls if equipped with a PFC system.

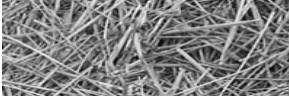
To chop the forage finer, decrease the conveyor speed by rotating the control lever up and to the left. For a coarser cut, increase the conveyor speed by rotating the lever to the right and down.



bale conveyor speed control valve

3.2.3 Rotor

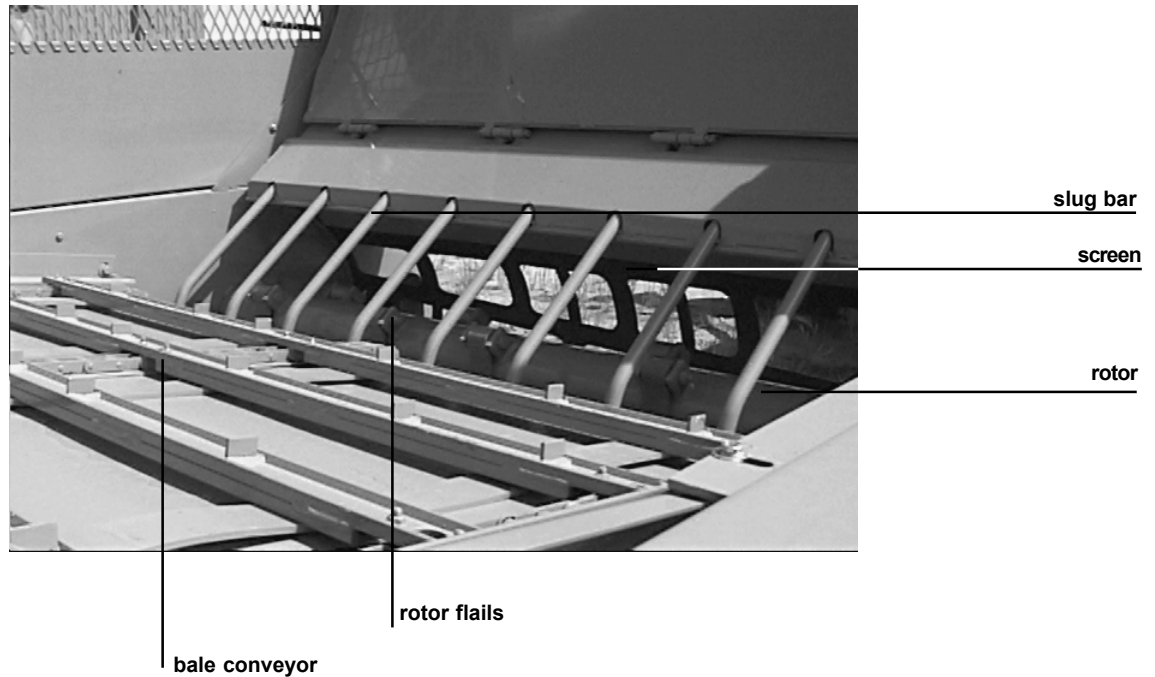
The rotor flails shred the bale and throws the material into the augers. Rotor speed should remain constant, which is done by keeping the tractor PTO at 1000 RPM.



3.2.4 Auger

Transfers material from rotor chamber to fan, driven by the rotor.

Figure 3.2
Rotor, bale conveyor,
slug bars, and the
screen



3.2.5 Slug bars

The 2554 BALEBUSTER comes standard with 17 slug bars. The slug bars control the depth that the flails cut into a bale as it is being shredded. As the depth of the cut becomes larger, the output becomes coarser. The depth of cut is controlled by the slug bar ratchet. For more information, see section 3.4.5 on changing the slug bar settings.

3.2.6 Screen

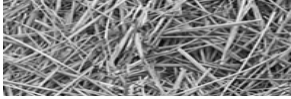
Screens are used in the 2554 to regulate product size. Screen sizes are 3-1/4"x9-1/2", 4-1/4"x9-1/2", and 6-1/4"x9-1/2" openings. The larger the hole, the coarser the product. Screens can be reversed when one edge becomes worn. See section 3.4.3 on changing screens.

3.2.7 Fan

Material goes through fan and is blown out discharge. Driven by PTO.

3.2.8 Discharge spout and deflector

The discharge spout and deflector assembly can be adjusted for different scattering effects. Raise the deflector for a wider spread. Lower the deflector for a narrower windrow. Rotate the discharge spout and fan housing for distribution near the machine or farther out.



3.3 Machine Operation

3.3.1 Tractor Set Up

A tractor drawbar and 3-point arms can cause interference with the PTO driveline IID (Implement Input Driveline). This interference can cause serious damage to the IID guarding and the IID telescoping members.

If this implement is attached to a tractor with a clevis hitch (hammer strap) style drawbar, the hammer-strap must be removed to prevent damage to the IID guarding and the IID telescoping members. See Figure 1.

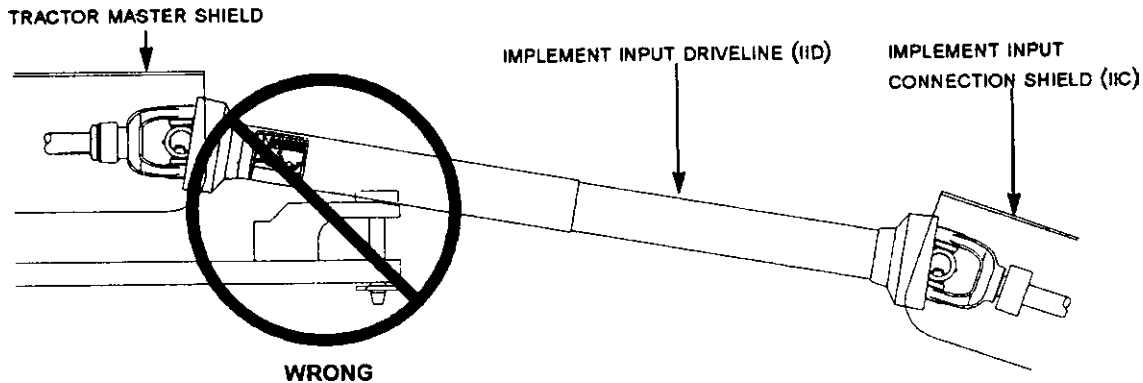


Figure 1

If this implement is attached to a tractor with an offset in the drawbar, be certain it is in the down position to prevent damage to the IID guarding and the IID telescoping members. See Figure 2.

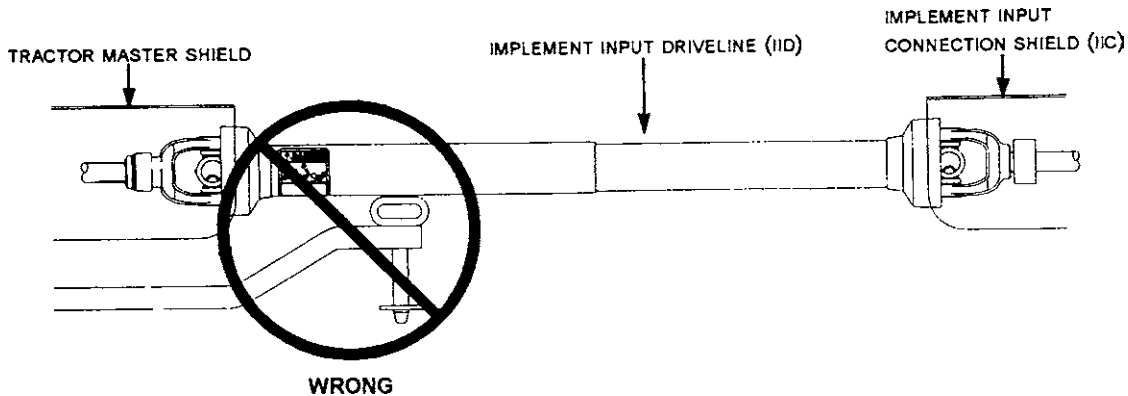
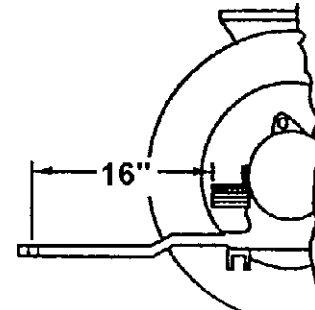
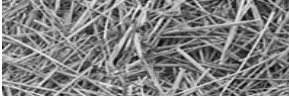


Figure 2

If this implement is attached to a tractor with 3-point arms, the arms must be fully raised and locked in position to prevent damage to the IID guarding and the IID telescoping members.

To **PREVENT DAMAGE** to the **PTO**, adjust the tractor drawbar so that the distance from the end of the PTO shaft on the tractor to the center of the drawbar pin is 16". See figure shown to the right.

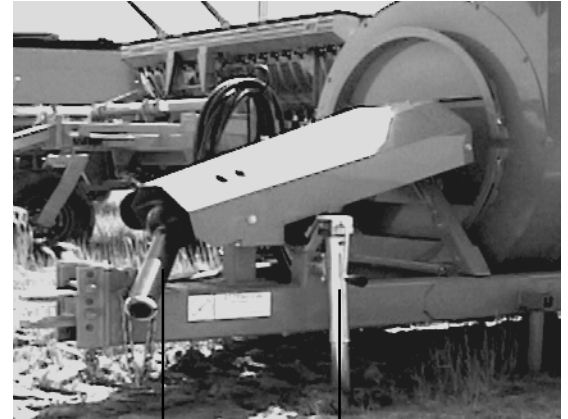




3.3.2 Hitching the BALEBUSTER to a tractor

To hitch the BALEBUSTER to a tractor, perform the following steps:

1. Adjust jack for tractor height
2. Position tractor so hitch pin can be installed, and install the hitch pin.
3. Adjust jack so that the jackstand is loose. Then place jackstand in the raised and locked position.
4. Attach PTO to tractor.
5. Clean off the hydraulic hose ends and tractor couplings, then attach the hydraulic hoses.
6. Verify hydraulic hoses are hooked up in proper orientation.
7. Raise loading table before moving.



PTO

front jack stand
(operating position)

3.3.3 Starting the machine



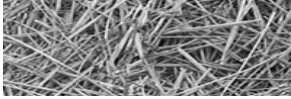
WARNING: After making all necessary hook-ups to tractor, be sure rotor chamber is clear of any solid objects. Make sure any bystanders are away from discharge before engaging PTO. Flying objects can cause serious injury or even death. Stay clear of discharge side of machine unless operator has stopped tractor engine and machine has stopped rotating. Failure to follow these instructions may result in severe injury.

To start the machine, perform the following steps:

1. Machine's hydraulic system performs two (2) functions. One function raises the bale loader for loading bales into the machine. The second function powers bale conveyor by means of a hydraulic motor.
2. Operating tractor PTO at 1000 RPM allows machine to do a better job of chopping forage and also keeps a minimum of twine build-up on the rotor. Twine build-up should be kept to a minimum to reduce fire hazard.
3. Always operate bale conveyor to rotate the bale in direction indicated by arrow on the front shield. Reverse direction only if the bale is lodged or hesitates to turn



4. **CAUTION:** Serious injury could result if machine is allowed to tip.



3.3.4 Normal shut-down procedure



WARNING: 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 BALEBUSTER. 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.

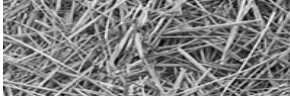
To shutdown the machine, perform the following steps:

1. Shut hydraulic drive off for chain conveyor, and wait until the fan and auger are emptied out.
2. Disengage PTO
3. Lower machine to ground level.
4. Place transmission in park or set park brake
5. Shut Off engine and remove key.
6. Wait for all movement to stop.

3.3.5 Unhitching the BALEBUSTER from a tractor

To unhitch the BALEBUSTER from a tractor, perform the following steps:

1. Follow Normal shut-down procedure
2. Lower jack and secure. Raise 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. Be sure loading table is completely down.
5. Detach the hydraulic hoses.
6. Remove the safety chain, if installed
7. Remove the hitch pin.
8. Place jackstand in the down and locked position. Lower BALEBUSTER into jackstand. Raise Jacks.



3.3.6 Loading bales into the BALEBUSTER



Note: The bale conveyor must not be running when a bale is lifted into the shredding chamber (steps 2-5). Bales dropping on moving conveyor slats may bend the slats.

To load bales into the BALEBUSTER, perform the following steps:

Step 1: With bale loader in its lowest position, back trailer until bale is loaded on the bale tines.

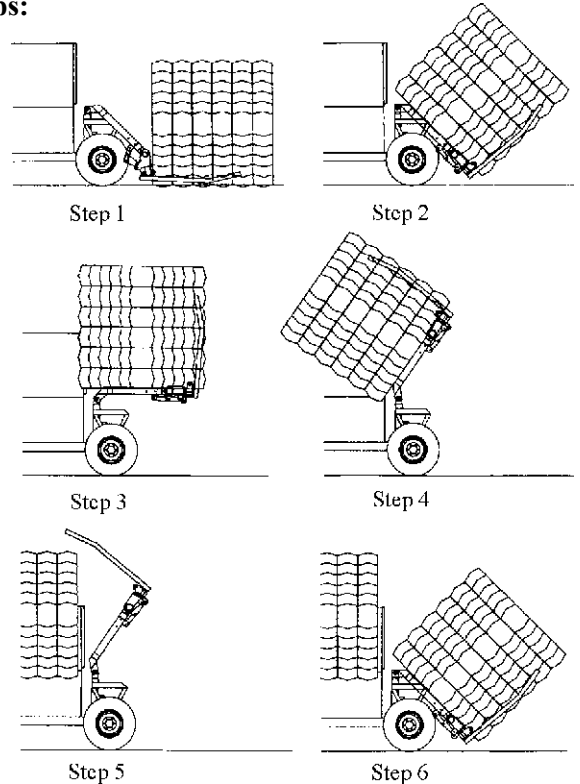
Steps 2-3: Slowly lift the bale until it rotates onto the loader frame.

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

Steps 4-5: Slowly lift the bale into shredding chamber. Continue lifting bale loader until it stops. This is the correct position for shredding a single bale.

Step 6: To load a second bale, lower bale loader. Back trailer until bale is loaded on the bale tines. Slowly lift the bale off the ground keeping the weight of the bale on the tines. This is the transport position for the second bale.

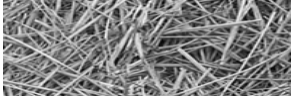
Step 7: After the first bale is shredded, repeat Step 2-5, loading and shredding a single bale.



3.3.7 Operating the machine

To operate the machine, perform the following steps:

1. Load machine according to section 3.3.6 “Loading Bales”.
2. With tractor at half speed, engage PTO.
3. Increase tractor engine speed so PTO is at 1000 RPM.
4. Engage conveyor chain orbit motor hydraulics.
5. Drive as needed to spread as desired.



3.4 Adjusting the machine

3.4.1 Changing the output distribution pattern

The spout and deflector can be set to create a windrow or for spreading.

For bedding or mulching, remove the spout assembly. This allows the chopped material to discharge directly from the fan. The distance the material is thrown and the coverage may be varied by rotating the fan housing to obtain the desired results. Adding the optional barrel will throw the material farther.

For Bunk Feeding, set the spout in its working position. Adjust the deflector on the end of the spout up or down to help regulate the force of the material leaving the spout. When bunk feeding, raise the spout above the bunk and use the deflector to direct the material downward. This will reduce the force, helping to prevent material from blowing out of the bunk. If material is still blowing out of the bunk, PTO speed may be decreased.

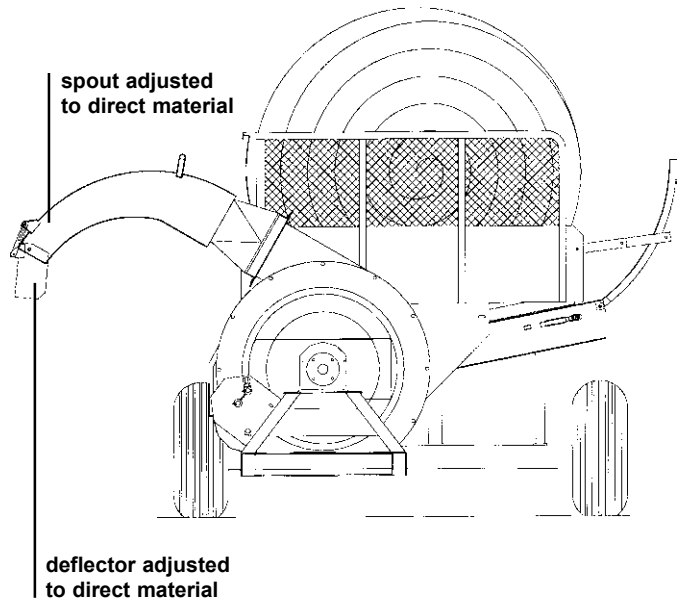
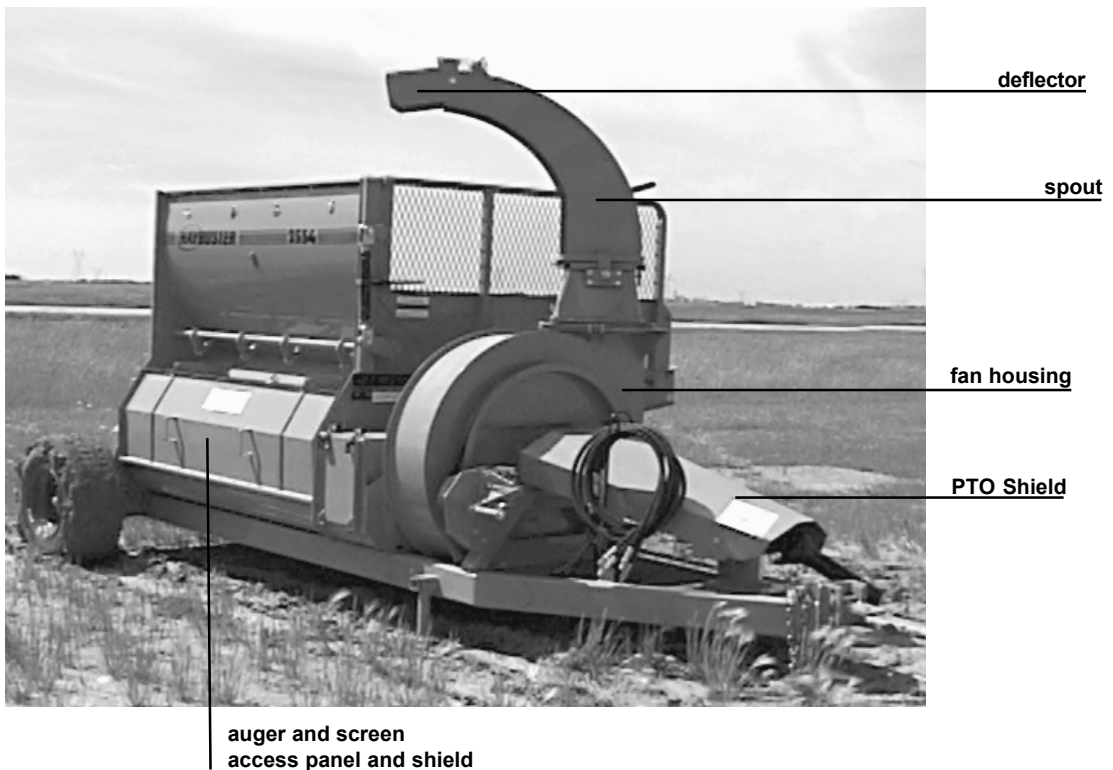
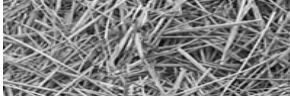


Figure 3.3
Spout, deflector and fan housing



To create windrows set the spout and deflector as follows; with the spout latched in the working position, the deflector can be raised and the fan housing rotated to place the material in a row as desired.



3.4.2 Changing length of cut

Using conveyor speed and slug bar settings without a screen to determine material size will reduce the horsepower requirements and increase flail life. If a greater size reduction is required, then add a screen.

Using a screen will produce a relatively small material size, but will require more horsepower, lower production (tons/hour), and result in greater flail and screen wear.

3.4.3 Changing screens

Adding a screen or using a screen with a smaller hole will produce a finer cut.

Where a very coarse cut is desired, the screen may be removed.

To change screens, perform the following steps:

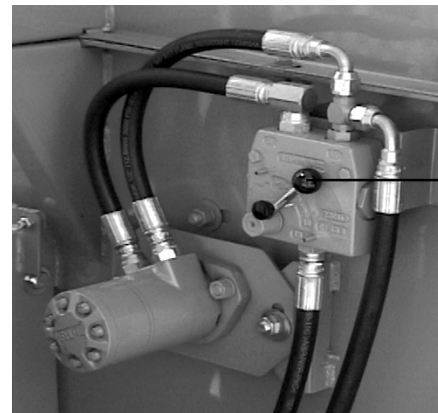
1. Open the access door on side of machine
2. Remove 3 bolts holding retaining bar
3. Slide screen out
4. Clean screen track
5. Insert new screen
6. Replace retaining bar, bolts, and access door

3.4.4 Adjusting the bale conveyor speed

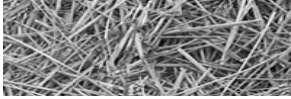
Moving the lever counterclockwise will slow the conveyor, and make a finer product.. Moving the lever clockwise will speed up the conveyor and make a coarser product.

For tractors with PFC type hydraulic systems:

This valve should be set in the full open position. Conveyor speed can be controlled directly from the tractor controls.



bale conveyor speed control valve



3.4.5 Changing the slug bar settings

Figure 5.9
Location of the slug
bar ratchet

auger and screen access
panel and shield latch pin

auger and screen
access panel and shield
(open position)

slug bar ratchet



Exposing less flail will create a finer cut, while exposing more flail will create a coarser cut.

This is accomplished by adjusting the slug bar ratchet.

3.5 Road transport

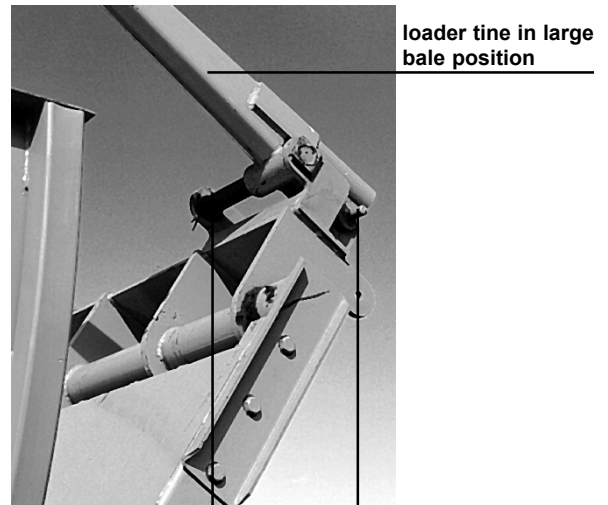
3.5.1 Preparing the BALEBUSTER for transport

To prepare the machine for transport, perform the following steps:

1. Remove loader tines, and store them in the bale chamber or in the transporting vehicle. Save the connecting pins for later use.

Alternate Procedure : Fold loader tines on loader frame. Raise loader parallel to ground, support tine to prevent falling and remove connecting pin (#8100205). Pull tines into left hand position and fold tines onto loader frame (lay them on loader platform).

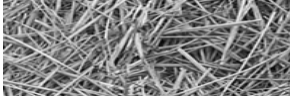
2. Put loader frame in fully up position
3. Push up on links attaching rack to frame, push rack into transport position
4. Check condition of tires
5. Check condition of SMV sign, warning lights, safety chain, as required by local regulations.



loader tine in large
bale position

loader tine is positioned
here for small bales

connecting pin



3.5.2 Changing Back To Operate

To prepare the machine for operation, perform the following steps:

1. To prevent serious personal injury enforce and follow the safety precautions contained in this manual
2. Hook up to tractor.
3. Lower loader frame until it is parallel to ground, unfold tines, place tine into required bale position and replace connecting pin (# 8100205).
4. Return rack to working position

3.6 Storage

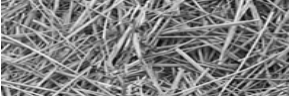
3.6.1 Preparing the machine for storage

This machine is designed to fold for ease of transportation and storage. The rack assembly folds inside of bale chamber.

To prepare the BALEBUSTER for storage, perform the following steps:

1. Shutdown the BALEBUSTER using the normal shutdown procedure.
2. Clean all mud, dirt, grease and other foreign material from the exterior of the machine. Cut all twine off from around the rotor, auger, and fan. Wash the complete machine. If washing the BALEBUSTER with a high pressure washer, keep the nozzle away from the sealed bearings. Repaint places where bare metal is exposed - this will inhibit rusting.
3. 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 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.
4. Coat exposed cylinder lift rod with grease. Oil chains on conveyor. Lubricate thoroughly according to lubrication instructions. Repack wheel bearings.
6. 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.



3.6.2 Removing the machine from storage

To remove the BALEBUSTER 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



IMPORTANT: Before performing any service or maintenance on your BALEBUSTER, review the safety guidelines for performing service and maintenance in section 1.6 “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.



WARNING: Use normal shut-down procedure (section 3.3.4) 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.

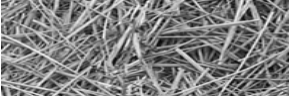
4.1.1 LUBRICATION POINTS

The following grease points will require an eight (8) hour service interval.

- Slug bar ratchet - 2 see figure 4.1
- Slug bar shaft - 2 see figure 4.1
- Pivot Point between Lower and Upper Loader Frame - 2 see figure 4.2
- Bent Idler Pivot - 1 see figure 4.3
- Transfer auger bearings - 2 see figure 4.3
- Rotor bearings - 2 see figure 4.3
- Fan Bearings - 2 see figure 4.4
- Fan hand crank - 1 see figure 4.4
- Fan House Pivot - 1 see figure 4.4

Rotating the fan housing to different positions while greasing will help distribute grease better.

- Conveyor center idler - 2 see figure 4.5
- Universal Joints - 4 see the “Drive Line” drawing in the parts reference of this manual
- Telescoping Shaft - 1 see the “Drive Line” drawing in the parts reference of this manual
- Driveline Support Bearings - 2 see the “Drive Line” drawing in the parts reference of this manual



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

1. As many as 7 pumps of grease are required to purge all cross and bearing grease points with fresh grease.
2. 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.
3. Shield components should be 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.

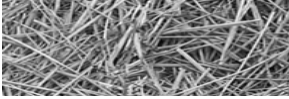


Figure 4.1
Lubrication points for slug bar ratchet and slug bar shaft



slug bar ratchet
lubrication point

slug bar ratchet
lubrication point

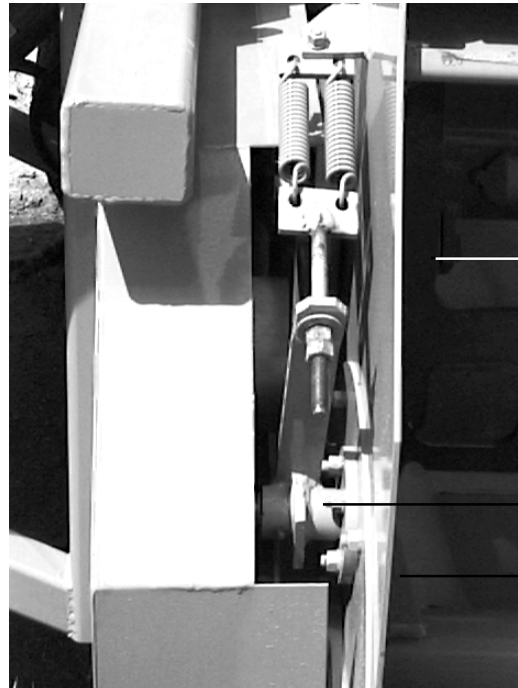
slug bar shaft
lubrication point

Figure 4.2
Lubrication points for pivot between lower and upper loader frame



Lubrication
point for pivot
between lower
and upper
loader frame

Figure 4.3
Lubrication points for bent idler pivot, transfer auger bearing and rotor bearing



rotor bearing

bent idler pivot

transfer auger bearing

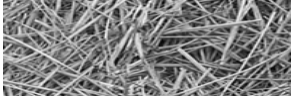


Figure 4.4
Lubrication points for fan house pivot, fan bearings and fan hand crank

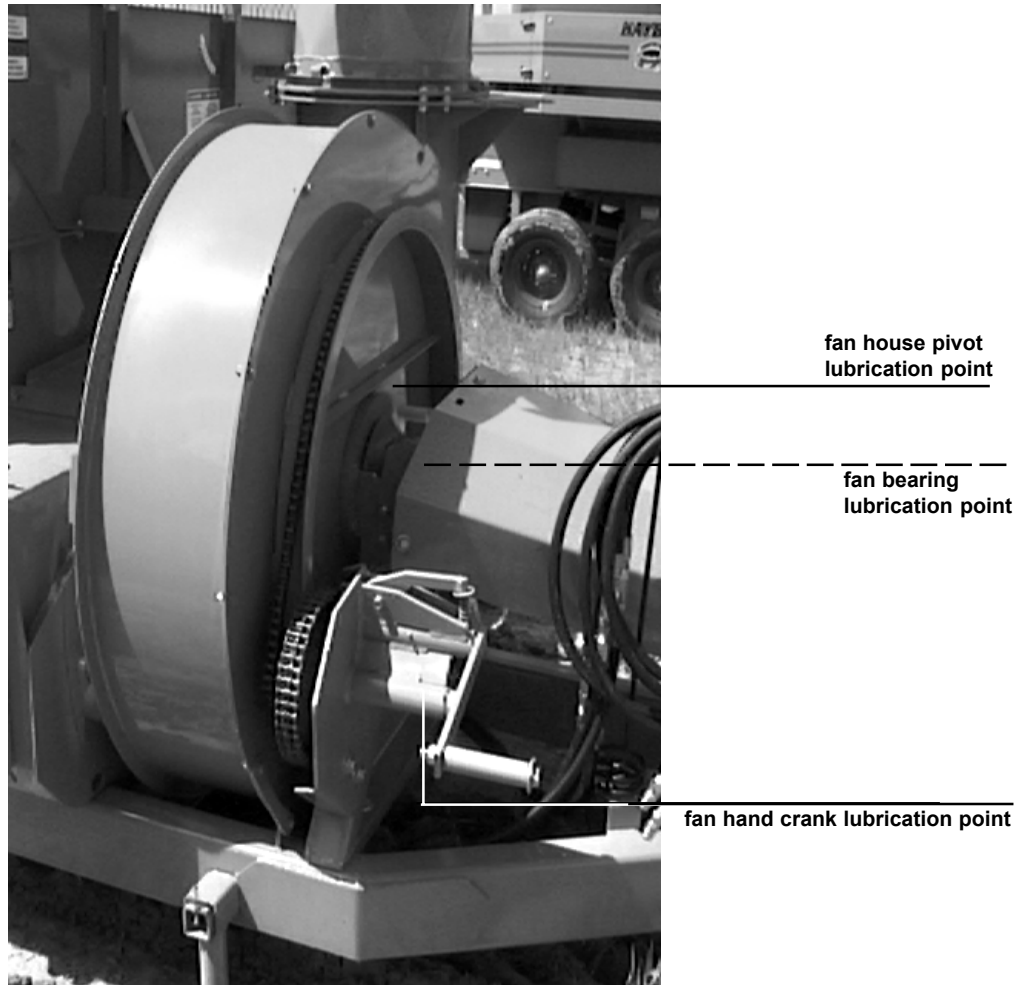
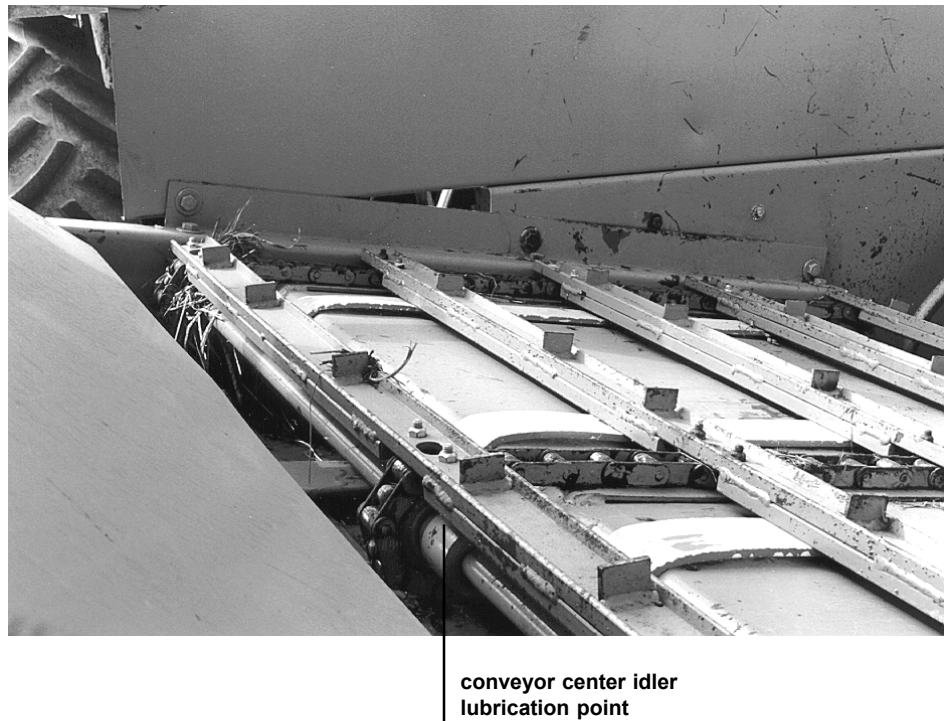
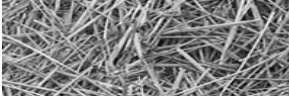


Figure 4.5
Lubrication points for the conveyor center idler





4.2 Axle, wheels, tires

Repack wheel bearings annually.

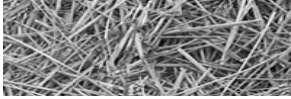
4.3 Conveyor chain tension

Figure 4.6
Bale conveyor chain
tightener



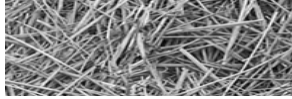
Bale conveyor chain tightener

Bale conveyor chain tension should be adjusted so the chain can be lifted 1" to 1-1/2" above the deck. Use the bale conveyor chain tightener shown in Fig 4.7 to tighten or loosen the bale conveyor chain tension.



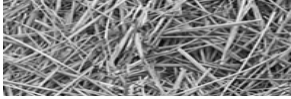
4.4 General appearance

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



Section 5: Troubleshooting

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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Tractor hydraulic pressure too low. 2. Hydraulic oil leaking by piston in cylinder. 	<ol style="list-style-type: none"> 1. Check pressure. 2. Repair or replace hydraulic cylinder
5. Forage Too Coarse	<ol style="list-style-type: none"> 1. Conveyor speed too fast. 2. Slug bar set too low. 3. Screen removed or screen too coarse. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Conveyor speed too slow. 2. Slug bar set too high. 3. Screen installed. 	<ol style="list-style-type: none"> 1. Increase conveyor speed. 2. Lower slug bar to expose more flail. 3. Remove screen or install coarser screen.
7. Fan Plugs	1. Too much material going through fan	<ol style="list-style-type: none"> 1. Slow conveyor speed down. 2. Adjust slug bars so less flail is exposed. 3. Install screen, or install finer screen.
8. Forage Blows Past Bunk When Bunk Feeding	1. Deflector spout too high.	1. Lower Deflector spout.
9. Forage Blows Out of Bunk		1. Reduce PTO speed.
10. Auger Plugs	1. Too much material going through fan.	<ol style="list-style-type: none"> 1. Slow conveyor speed down. 2. Adjust slug bars so less flail is exposed. 3. Install screen, or install finer screen.



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.

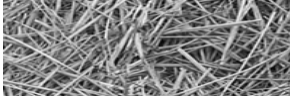
All claims for warranty must be made through the dealer which originally sold the product and all warranty adjustments must be made through same.

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: 2554 BALEBUSTER Specifications

General:

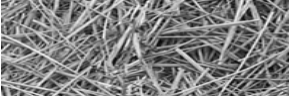
Tractor H.P. required	80 HP min.
Capacity	5-1/2' long x 6-1/2' diameter, 2000 lbs.
Rotor Length	72"
Rotor Diameter(flail tip to flail tip).....	25-1/2"
Flails - Cast Alloy	18
Wheel - Taper Roller Bearings - Tire Size	
PTO	1000 RPM
Dual Hydraulics (single hydraulic system optional).....	1500 PSI
Tire Size	31 x 10.5 x 15
Cylinder.....	3-1/2" x 24" Double Acting

Transport Position:

Height.....	132"
Width.....	101"
Length	198"
Weight	5500 Lbs.

Working Positions:

Working Position 1 Bale Height	132"
Length	198"
Width.....	122"
Working Position 2 Bales Height.....	116"
Length	274"
Width.....	122"



Appendix C: Options

Hydraulic fan housing rotation, allows fan housing to be rotated “on the go”, requires 1 hydraulic valve and set of outlets on tractor

Hydraulic fan discharge spout rotation, allows discharge spout to be rotated on the go, also requires 1 hydraulic valve and set of outlets on tractor.

Cannon discharge spout, allows for spreading material over greater distance.

Shredder chamber right side extension.

Screens available are: 3-1/4” x 9-1/2”

 4-1/4” x 9-1/2”

 6-1/4” x 9-1/2”

“No Loader” If machine is to be loaded by front end loader or the like, the loader may not be needed.

Manual fan housing rotation

3ft Curved spout

6ft Curved spout

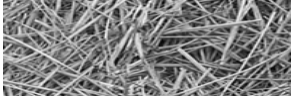


Appendix D: Required For Operation



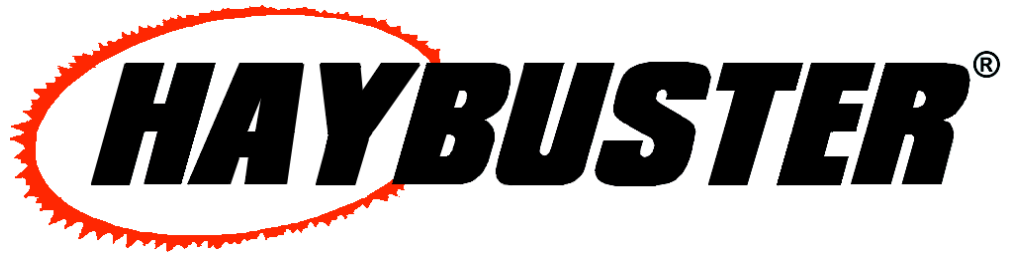
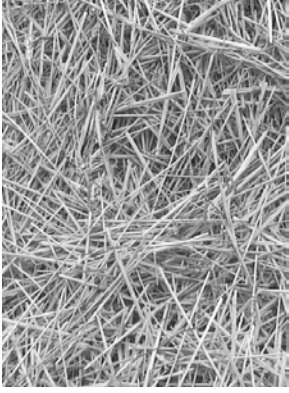
WARNING: Do not operate the BALEBUSTER unless the tractor complies with the following requirements:

1. Horsepower - 80 HP minimum. 1000 rpm, 1-3/8" PTO shaft.
2. Rollover protective structure and seat-belts.
3. Hydraulic system - 8 gallons per minute (30 liters per minute) minimum, 1500 Psi minimum (105 bar).
4. Two double acting control valves.
5. The tractor must be of equal or greater weight than the BALEBUSTER 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.
7. Tractor os setup according to section 3.3.1 "tractor setup"



Appendix E: 2554 BALEBUSTER SHIPPING LIST

PART#	QUANTITY	DESCRIPTION
3600334	1	COMPLETE PTO 44W
4800043	2	1/4" x 2-1/2" COTTER PIN
4800107	2	1/8" HAIR PIN
5000008	4	WASHMACH\1-1/2 IDX 10GAINR
8100204	2	TINE HANGER PIN
8100205	2	TINE ANCHOR PIN
8100505	1	FORK TINE - R.H.
8100506	1	FORK TINE - L.H.



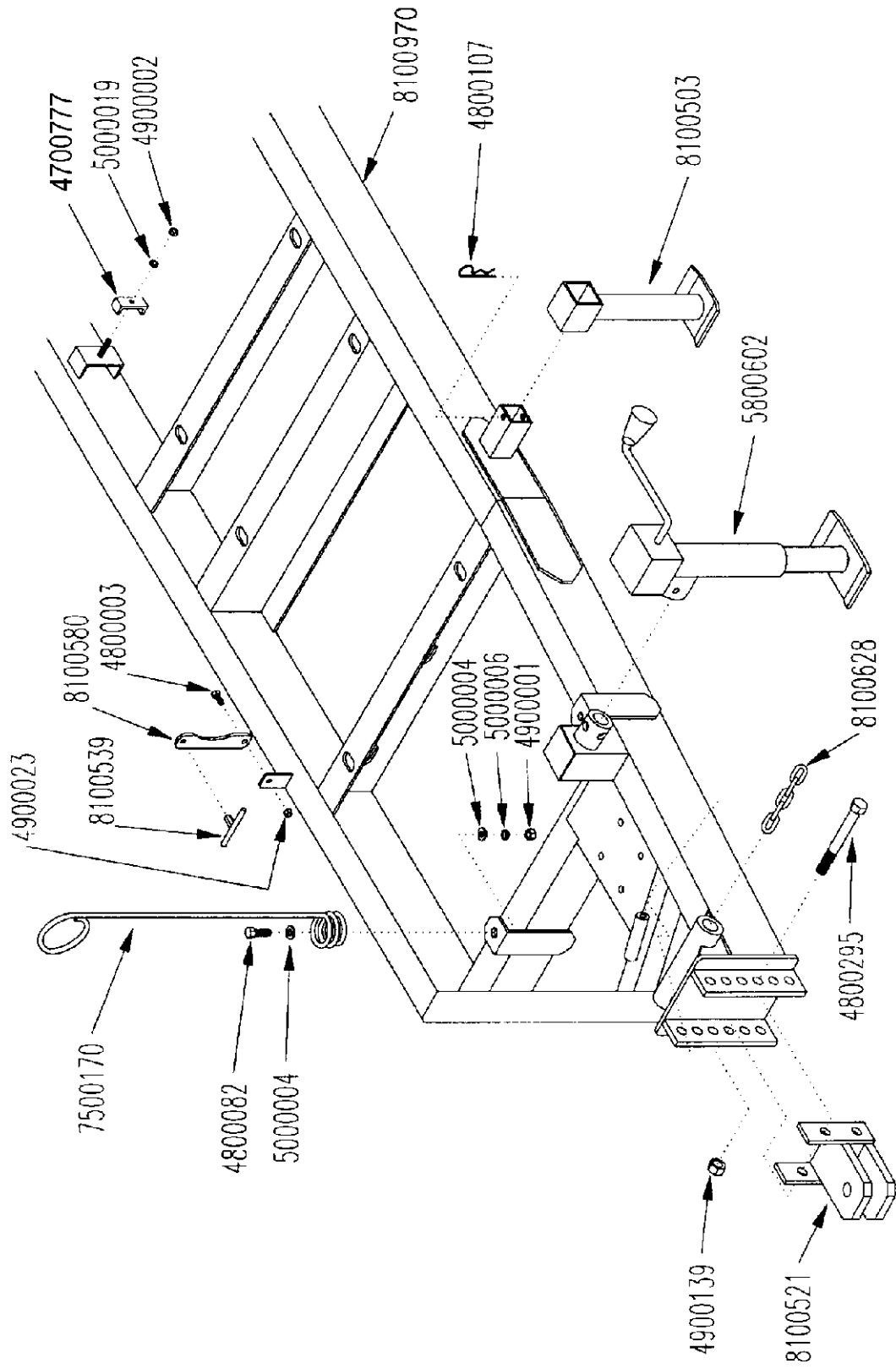
2554TM

BALEBUSTERTM

**SERIAL NUMBER AJ030554
AND UP**

**Part 2:
Parts Reference**

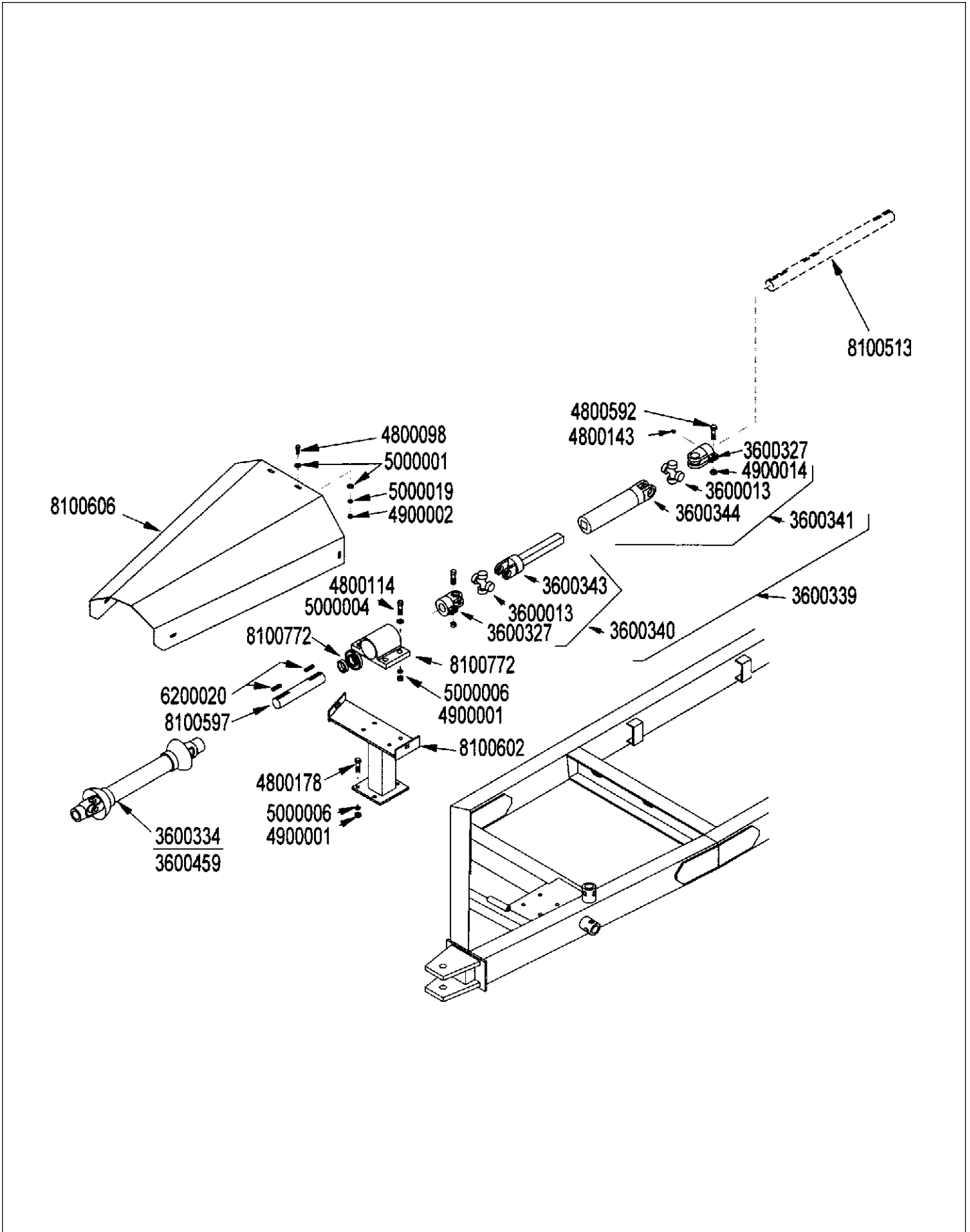
MAIN FRAME ASSEMBLY



MAIN FRAME ASSEMBLY

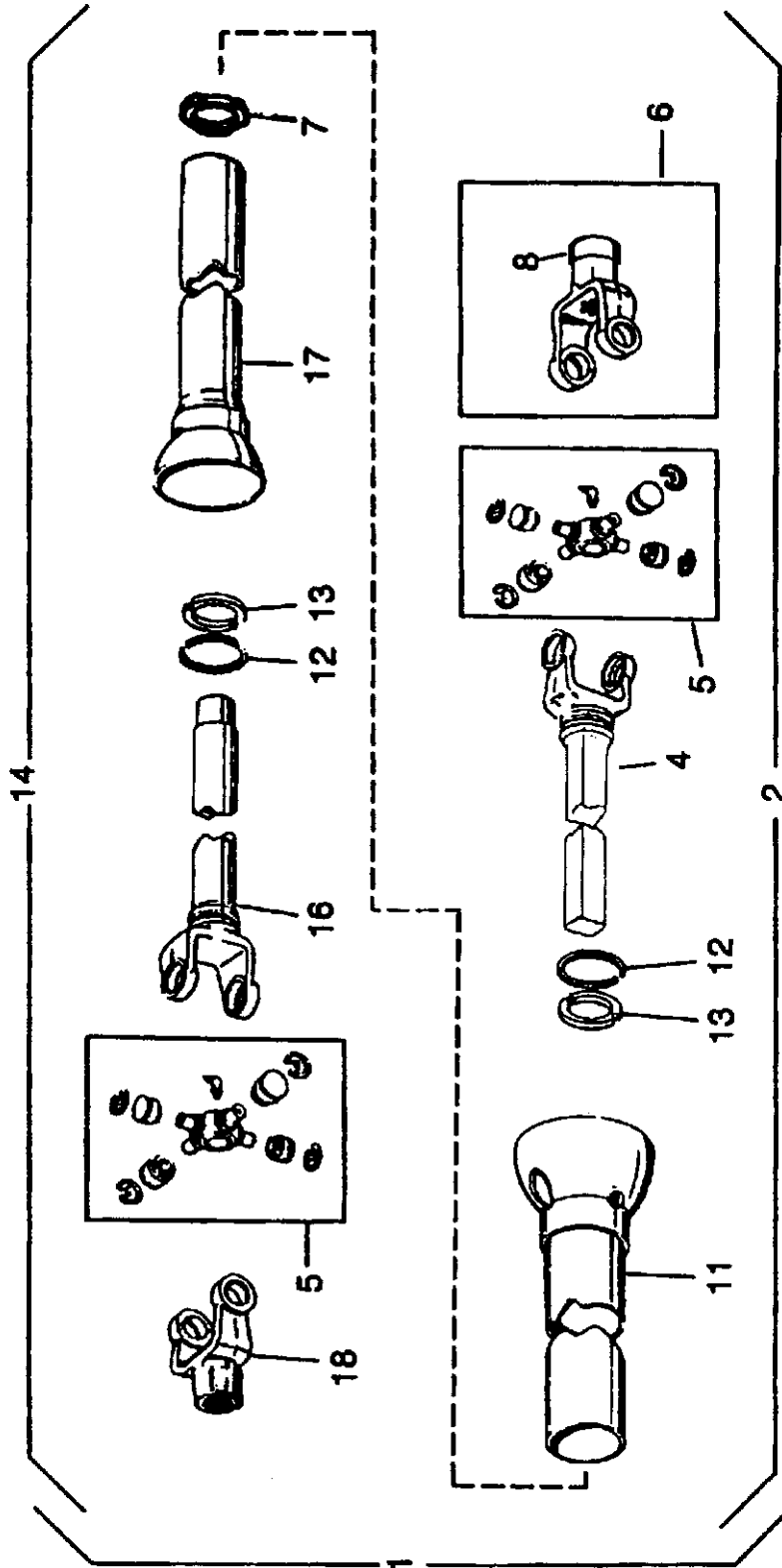
PART #	QTY.	DESCRIPTION
4800003	1	BOLT\HEX\3/8X1
4800082	1	BOLT\HEX\1/2X1-1/2
4800107	2	PIN\HAIR\1/8 (#9)
4800295	1	BOLT\HEX\3/4X7
4900001	3	NUT\HEX\1/2\NC
4900002	4	NUT\HEX\3/8\NC
4900023	1	NUT\TPLCK\3/8\NC
4900139	1	NUT\TPLCK\3/4\GR8\NC
5000004	2	WASH\FLAT\1/2
5000006	1	WASH\LOCK\1/2
5000019	4	WASH\LOCK\3/8
5800602	1	JACK (5 SM 10-5TON)
7500170	1	HOSE MINDER
8100503	2	STND\SUP.\DS
8100521	1	CLEVIS\HITCH\MNFRM\256DS
8100539	1	NUT\WNG\LCK\FAN
8100580	1	BRKT\MTG\FAN\256DS
8100614	1	MNFRM\2554
8100628	1	CHAIN\SAFTY\HITCH\5/16
4700777	4	HOSE CLAMP/H DRL/256+II

DRIVE LINE ASSEMBLY



DRIVE LINE ASSEMBLY

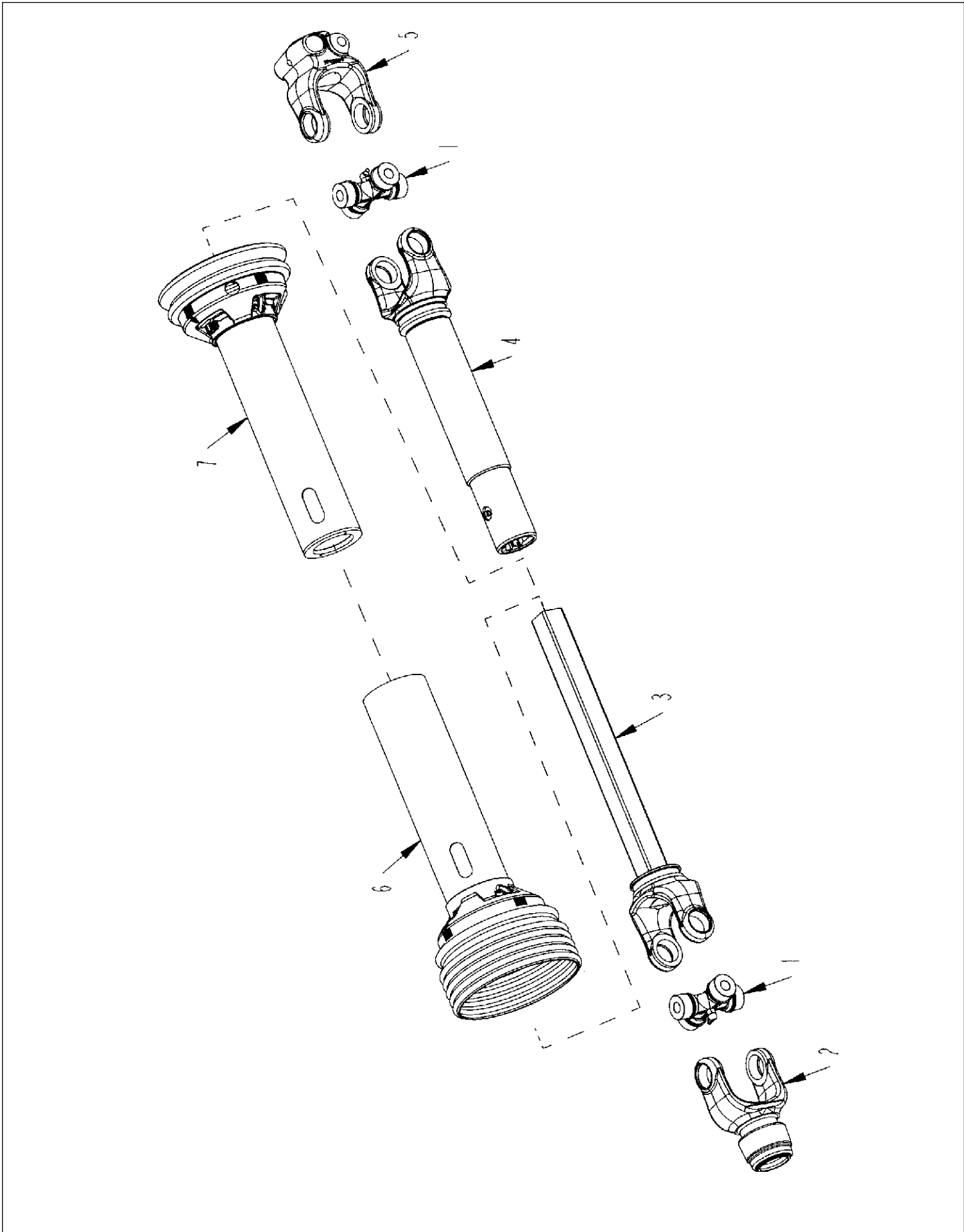
PART #	QTY.	DESCRIPTION
2001041	2	BRG\CYL\1-3/4W-ECC
8100846	1	MNT\BRG\ASSY\W-ECC
8100772	1	MNT \ BRG \ PTO
3600013	2	CROSS & BEARING KIT 55W
3600327	1	MACHINE YOKE 1-3/4" L55\CLAMP TYPE GI0160 to GI0174
3600334	1	PTO\252-19210\DS see page 44
3600459	1	PTO\252-21797\44R\PLASTIC GUARD see page 46
3600339	1	JOINT\ASY\55R\TELE\COMP GI0175 thru
3600340	1	JOINT\55-R\W\SHAFT
3600341	1	JOINT\55-R\TELESCOPING
3600343	1	YOKE AND SHAFT FOR 3600339
3600344	1	TELESCOPING YOKE FOR 3600339
4800098	6	BOLT\HEX\3/8X1-1/4\NC
4800114	4	BOLT\HEX\1/2X2
4800143		SCR\SET\ALN\3/8X3/8
4800178	4	BOLT\HEX\1/2X1-3/4
4800307	3	SCR\SET\SQ\3/8X1\NC GI0160 to GI0174
4800356	8	SCR\SET\ALN\3/8X1/2\NC(NOT SHOWN)
4900001	8	NUT\HEX\1/2\NC
4900002	6	NUT\HEX\3/8\NC
4900014	1	"NUT\TPLCK\1/2\NC\.500"MAX"
4900026	3	NUT\JAM\3/8\NC GI0160 to GI0174
5000001	12	WASH\FLAT\3/8
5000004	4	WASH\FLAT\1/2
5000006	8	WASH\LOCK\1/2
5000019	6	WASH\LOCK\3/8
6200020	4	KEY\SQ\3/8X2-1/4\HARDEND
8100513	1	SHFT\FAN\DISCH\1-3/4X26-3/4\3;KW
8100597	1	SHFT\1-3/4X10\2KEYWAYS
8100978	1	BRKT\STD\BRG\OFFSET\256 II
8100821	1	SHLD\PTO\97\256II GI0160 thru
8100988	1	MNT \ SHLD \ LH \ PTO (NOT SHOWN)
8100989	1	MNT \ SHLD \ RH \ PTO (NOT SHOWN)



PTO ASSEMBLY #3600334 - STEEL GUARD

ITEM	PART #	DESCRIPTION
1	3600334	PTO\COMP\19210\2544
2	3600361	JOINT & SHAFT ASY W/GUARD
4	3600364	YOKE & SHAFT 36-334
5	3600115	44R CROSS AND BEARING KIT
6	3600363	SLIDE LOCK YOKE ASSY
6A	3600390	YOKE\44\20SPL\1-3/4 BORE>
7	3600450	CENTRALIZER 36-334
8	3600271	SAFETY SLIDE LOCK REPAIR KIT FOR 1 3/8"
8A	3600532	SAFETY SLIDE LOCK REPAIR KIT FOR 1 3/4 "
11	3600366	OUTER GUARD 36-334
12 & 13	3600093	BEARING RETAINER
14	3600362	JOINT & TUBE ASSY W/GUARD
16	3600368	"YOKE, TUBE, SLIP, SLEEVE"
17	3600367	INNER GUARD 36-334
18	3600369	YOKE for 3600334
18 & 5	3600393	CAST YOKE W/CROSS AND BEARING

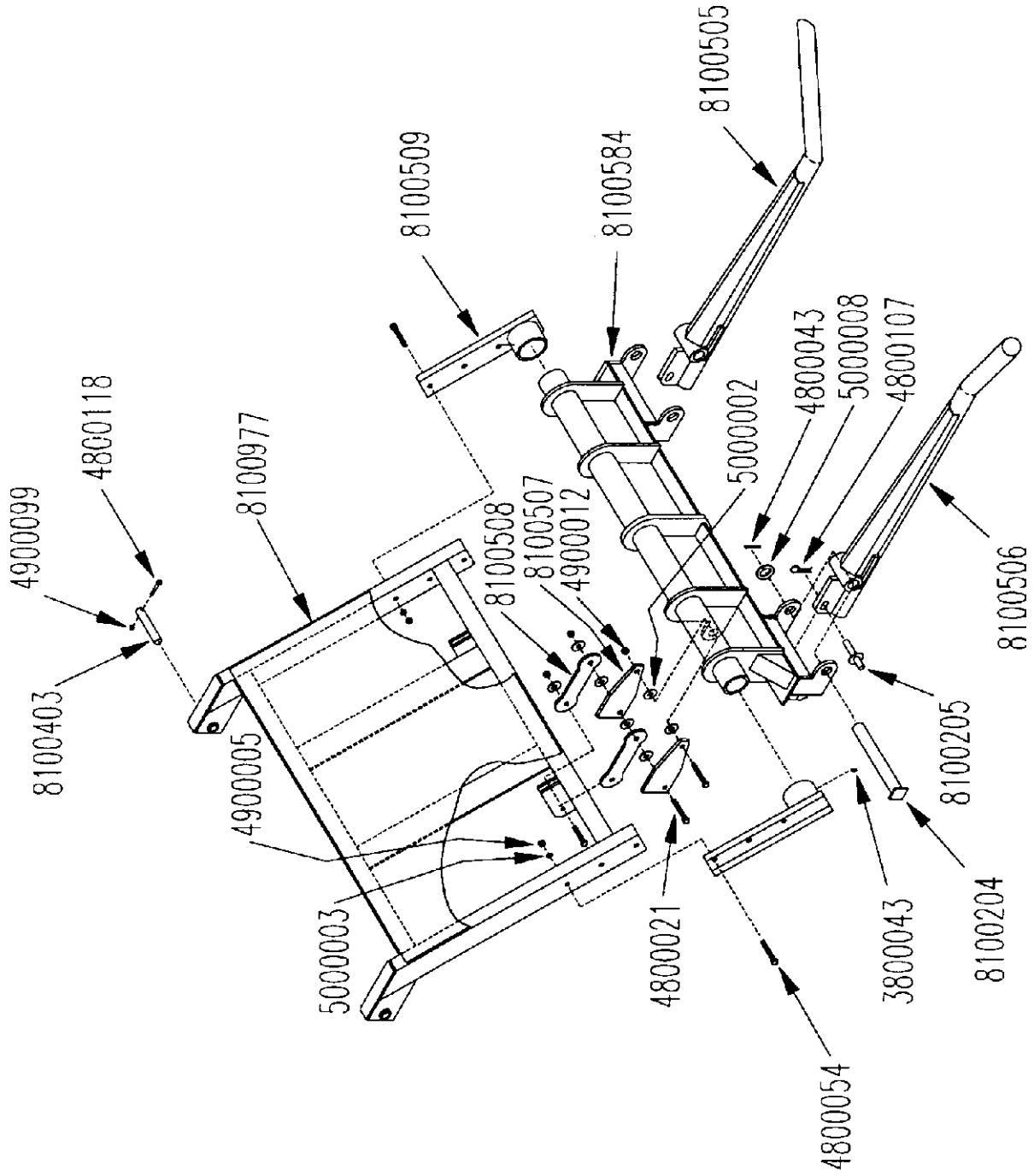
PTO ASSEMBLY #3600459 - PLASTIC GUARD



PTO ASSEMBLY #3600459 - PLASTIC GUARD

ITEM	PART #	DESCRIPTION
	3600459	PTO\252-21797\44R\PLASTIC GUARD
1	3600115 2	440 CROSS AND BEARING KIT
2	3600363 1	SLIDE LOCK YOKE ASSY
2A	3600390 1	YOKE\44\20SPL\1-3/4 BORE>
3	3600364 1	YOKE & SHAFT 3600334
4	3600368 1	YOKE,TUBE,SLIP SLEEVE
5	3600369 1	YOKE 36-334
6 & 7	3600460 1	GUARD\SET\PTO\3600459\PLASTIC GUARD
	3600462	JOINT & SHAFT ASM W-PLASTIC GUARD (INCLUDES: 1,2,3,6)
	3600463	JOINT & TUBE ASY W-PLASTIC GUARD (INCLUDES: 1,4,5,7)
	3600271	SAFETY SLD LCK REPAIR KIT for 3600363- 1 3/8"
	3600489	NYLON\REPAIR\KIT
	3600532	SAFETY SLD LCK REPAIR KIT for 3600390- 1 3/4"

LOADER ASSEMBLY



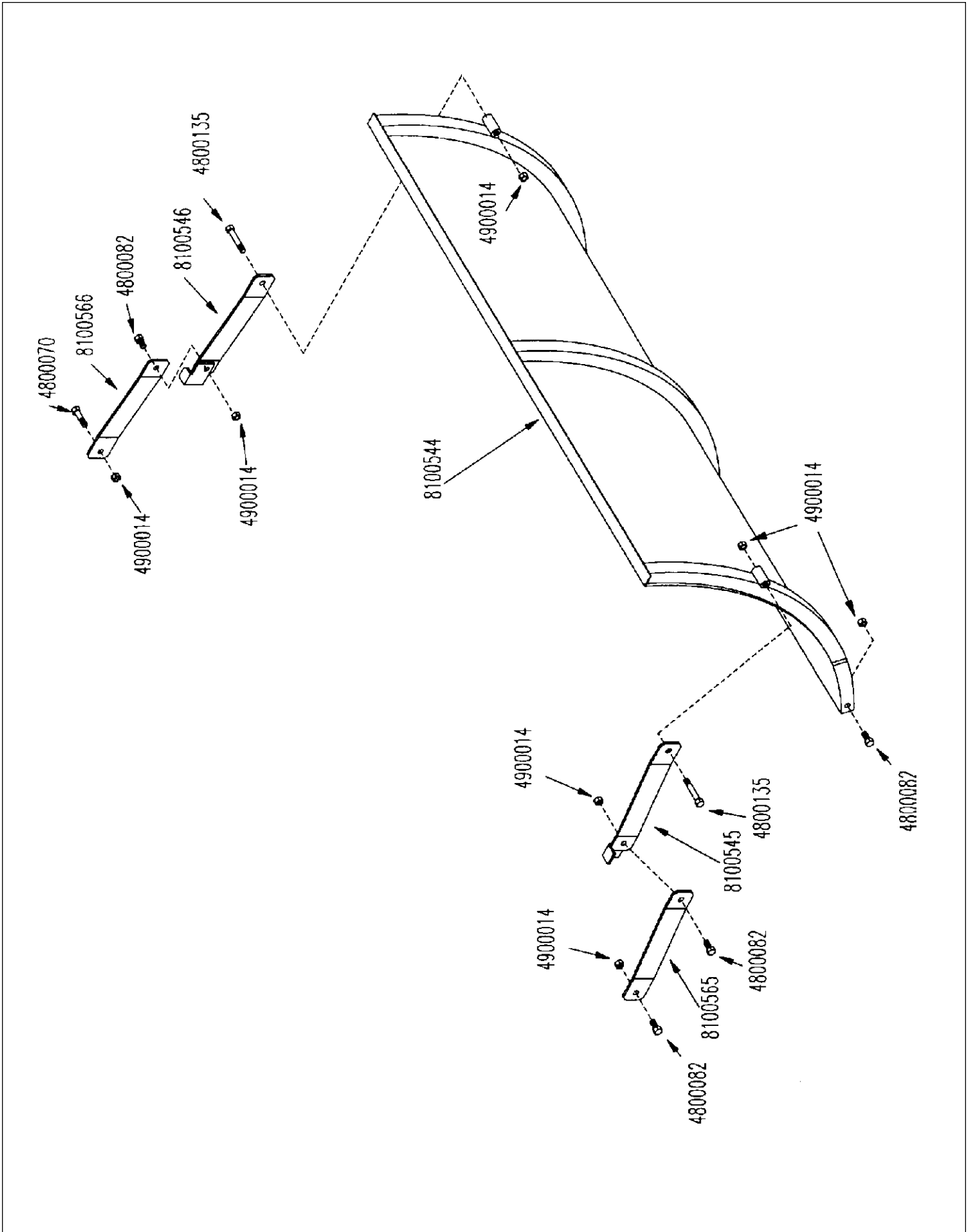
LOADER ASSEMBLY

PART #	QTY.	DESCRIPTION
3800043	2	FTG\LUB\1/8MPXZRK\SHORT
4800021	6	BOLT\HEX\5/8X3
4800043	2	PIN\COT\1/4X2-1/2
4800054	6	BOLT\HEX\5/8X3-1/2
4800107	2	PIN\HAIR\1/8 (#9)
4800118	2	BOLT\HEX\5/16X2
4900005	6	NUT\HEX\5/8\NC
4900012	6	NUT\TPLCK\5/8\NC
4900099	2	NUT\TPLCK\5/16\GR8\NC
5000002	8	WASH\FLAT\5/8
5000003	6	WASH\LOCK\5/8
5000008	2	WASH\MACH\1-1/2IDX10GA\NR
8100204	2	PIN\HINGE\TINE
8100205	2	PIN\ANCHOR\TINE
8100403	2	PIN\HINGE\1X6\BALE;LIFT
8100505	1	TINE\RH\66\LOADER
8100506	1	TINE\LH\66\LOADER
8100507	4	STOP\LINK\LOADER
8100508	4	FLAT\LINK\LOADER
8100509	2	BRKT\PIVOT\LOADER
8100977	1	FRM\LOADER\UPPER
8100584	1	FRM\LOADER\LOWER\256\97

BALE CONVEYOR ASSEMBLY

PART #	QTY.	DESCRIPTION
1000029	2	SPKT\50\14\1\1/4KW\HRN
1000088	3	SPKT\662\7\1\IDLER CAST
1000089	3	SPKT\662\7\1\1/4KW\DR
1100026	1	CHAIN\50DBL\13
1100099	1	CHAIN\50DBL\CL
1100103	3	CHAIN\620CA\CL
1100150	3	CHAIN\620CA\44W\ATTCH
2000002	2	"1" W/COLLAR"
2000703	4	FLGETT\1\2BOLT\PLTD
2000804	2	CLLR\ECC\LOCK\1
2000809	12	CLLR\SHFT\1\SET
3900025	1	MTR\HYD\17.9\o-ring
4800013	4	BOLT\HEX\5\16X1
4800082	6	BOLT\HEX\1/2X1-1/2
4800098	10	BOLT\HEX\3/8X1-1/4\NC
4800104	2	BOLT\WELD\HEX\1/2X5\THRRD
4800105	2	SCR\SET\ALN\3/8X1\NC
4800393	54	BOLT\HEX\5\16X7/8\GR8
4900001	10	NUT\HEX\1/2\NC
4900002	10	NUT\HEX\3/8\NC
4900003	4	NUT\HEX\5/16\NC
4900026	2	NUT\JAM\3/8\NC
4900099	54	NUT\TPLCK\5/16\GR8\NC
4900106	2	NUT\NYLCK\3/4\NC
5000001	20	WASH\FLAT\3/8
5000004	10	WASH\FLAT\1/2
5000006	6	WASH\LOCK\1/2
5000019	10	WASH\LOCK\3/8
5000022	4	WASH\LOCK\5/16
5000023	4	WASH\FLAT\5/16
6200005	3	KEY\SQ\1/4X1-1/2
6200010	1	KEY\SQ\1/4X1
6200011	1	KEY\WDF\1/4X1\#15\808
8100051	2	TIGHTENER BRACKET
8100171	4	PLASTIC STRIP WIDE CONV
8100174	2	WIDE CONVEYOR MOUNT
8100401	1	"IDLER SHAFT 1"X71 1/2"
8100449	2	GUARD\TWINE\CNVYR\256
8100567	1	SHFT\DRV\3CH\CNVYR\256
8100570	9	SLAT\CNVYR\3CH\256
8100585	2	SUP\SHFT\DRIVE\CNVYR\S/N
8100588	1	FRM\CNVYR\3CH\S/N
8100590	1	PL\RUB\CHAIN\CNVYR

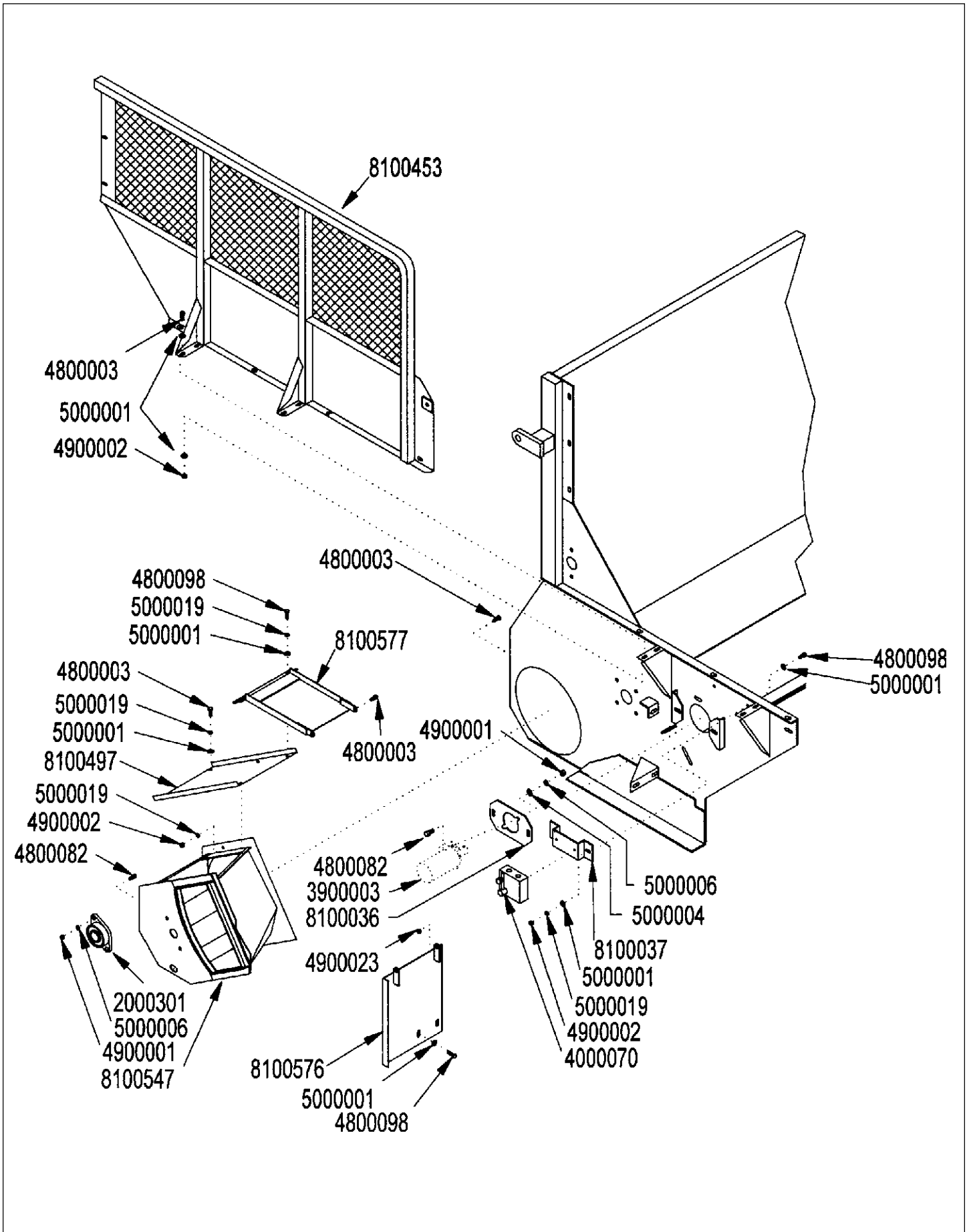
RACK ASSEMBLY



RACK ASSEMBLY

<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
4800070	1	BOLT\HEX\1/2X2-1/2
4800082	5	BOLT\HEX\1/2X1-1/2
4800135	2	BOLT\HEX\1/2X3-1/2
4900014	8	"NUT\TPLCK\1/2\NC\500"MAX"
8100544	1	RACK\CURVED\256DS
8100545	1	BRKT\STOP\FRONT\RACK
8100546	1	BRKT\STOP\REAR\RACK
8100565	1	BRKT\FRONT\RACK
8100566	1	BRKT\REAR\RACK

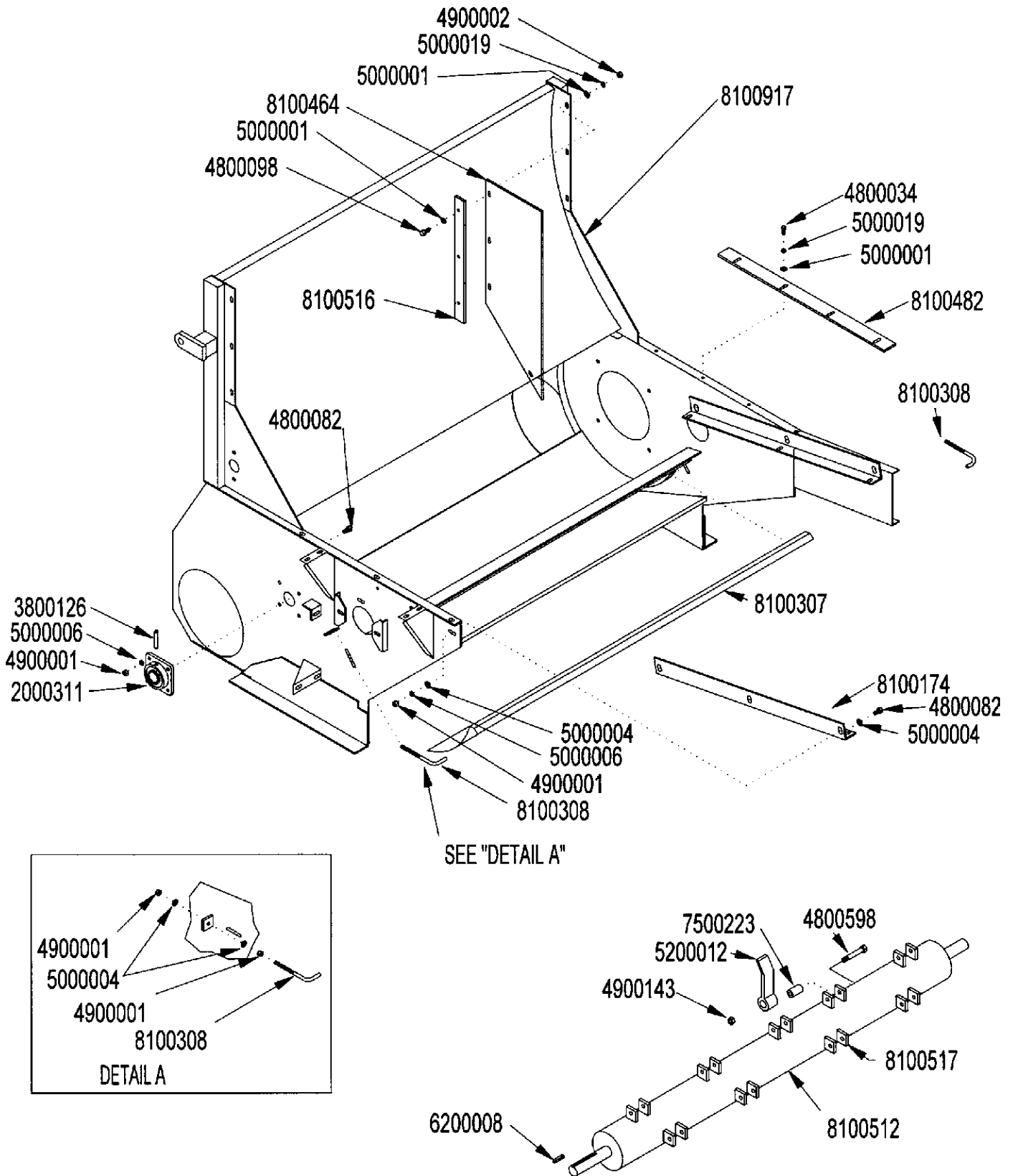
SHREDDER FRONT ASSEMBLY



SHREDDER FRONT ASSEMBLY

PART #	QTY.	DESCRIPTION
2000301	1	BRG\FLG\CAST\1-1/4\2BOLT
4000213	1	VALVE\FLOW CONTROL\O-RING
4800003	15	BOLT\HEX\3/8X1
4800013	2	BOLT\HEX\5/16X1
4800082	4	BOLT\HEX\1/2X1-1/2
4800098	7	BOLT\HEX\3/8X1-1/4\NC
4800281	2	BOLT\HEX\5/16X2\NF
4800588	4	SCR\RD\SLOT\#10-32X1/2
4900001	4	NUT\HEX\1/2\NC
4900002	15	NUT\HEX\3/8\NC
4900003	2	NUT\HEX\5/16\NC
4900006	2	NUT\NYLCK\5/16\NF
4900023	2	NUT\TPLCK\3/8\NC
4900071	2	NUT\NYLCK\5/16\NF
4900077	4	NUT\HEX\#10\NF
5000001	23	WASH\FLAT\3/8
5000004	2	WASH\FLAT\1/2
5000006	4	WASH\LOCK\1/2
5000019	10	WASH\LOCK\3/8
5000022	2	WASH\LOCK\5/16
5000023	2	WASH\FLAT\5/16
5000071	4	WASH\LOCK\EXT;STAR\#10
7500166	2	LATCH\RBBR\6
7500190	2	LATCH\RBBR\CATCH\6
7500347	2	LATCH\RBBR\MNT\6
8100036	1	HYD MOTOR MOUNT BRCKT
8100037	1	FLOW CONTROL MOT BRCKT
8100453	1	SHLD\FRONT\256II
8100574		EXT\SH\SHRDR\2544 Optional
8100576	1	SHLD\CLPR\SIDE\RTR
8100577	1	SHLD\CLPR\RTR
8100731	1	HSG\EXT\DOOR\AUG SN HI0185 AND UP
8100732	1	DR\HSG\EXT\AUG SN HI0185 AND UP

SHREDDER ASSEMBLY



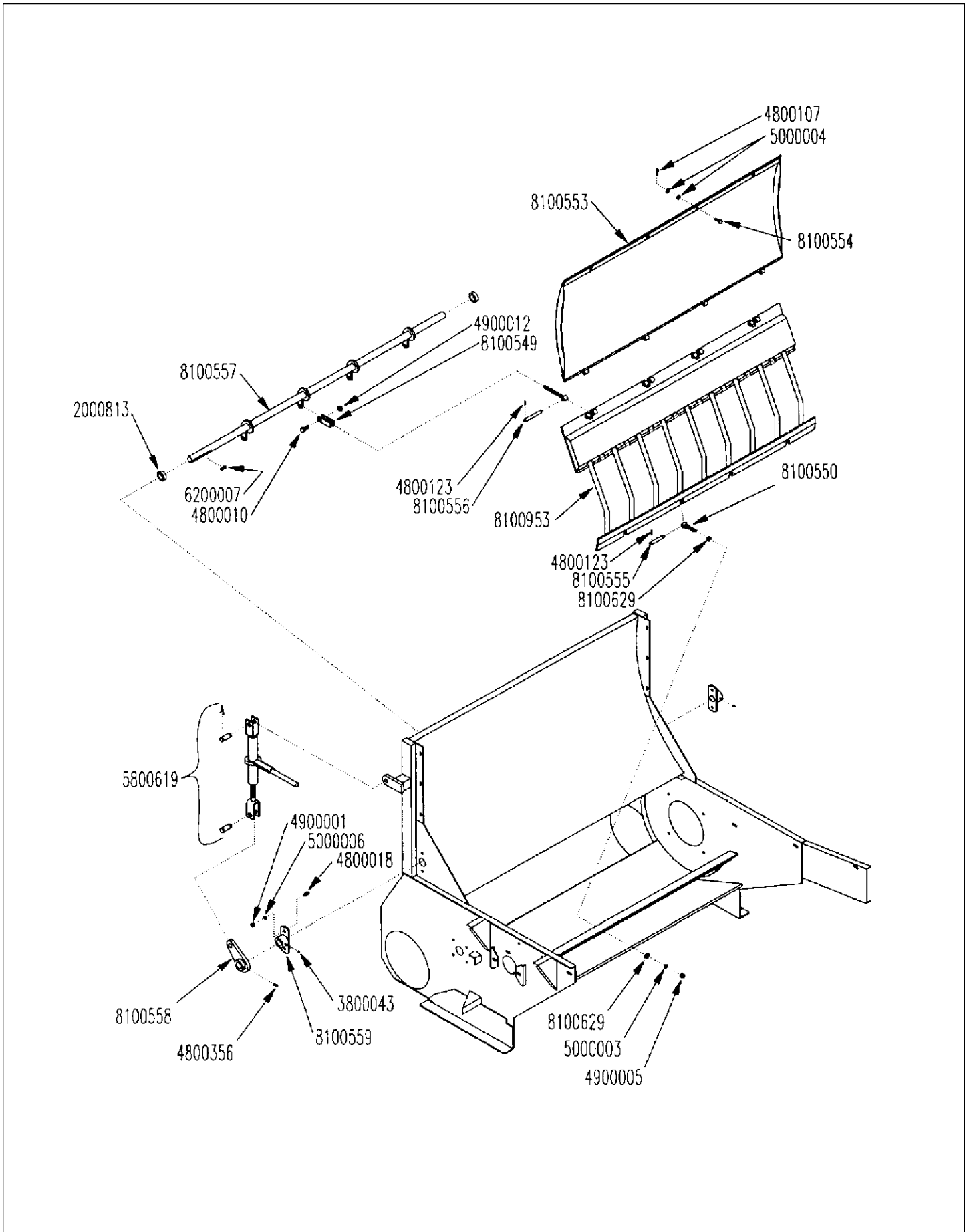
SHREDDER ASSEMBLY

PART #	QTY.	DESCRIPTION
2000311	2	BRG\FLG\CAST\1-3/4\4BOLT
3800126	2	FTG\LUB\1/8MPXZRK\2-5/8
4800034	4	BOLT\HEX\3/8X1-1/2
4800082	14	BOLT\HEX\1/2X1-1/2
4800098	4	BOLT\HEX\3/8X1-1/4\NC
4800598	18	BOLT\HEX\5/8X4\NF\GR8
4900001	12	NUT\HEX\1/2\NC
4900001	6	NUT\HEX\1/2\NC
4900002	4	NUT\HEX\3/8\NC
4900143	18	NUT\TPLCK\5/8\NF\GR8
5000001	12	WASH\FLAT\3/8
5000004	10	WASH\FLAT\1/2
5000006	14	WASH\LOCK\1/2
5000019	8	WASH\LOCK\3/8
5200012	18	HMMR\FLAIL\8"HEAVY
6200008	4	KEY\SQ\3/8X2
7500223	18	FLAIL BUSHING
8100174	2	WIDE CONVEYOR MOUNT
8100307	1	FALSE BOTTOM DS
8100308	2	FALSE BOTTOM ANCHOR DS
8100464	1	BLT\SHREDDER\256II
8100482	1	FLAT\GUARD\SHREDDER\
8100512	1	RTR\FLAIL\18";ROWS
8100516	1	BELT\DOUBLER
8100517		BRKT\FLAIL\TAB
8100971	1	HSG\RTR\2554

Not Shown

8100774	HSG\FLOOR\LINER\2544&2554
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SLUGBUSTER ASSEMBLY



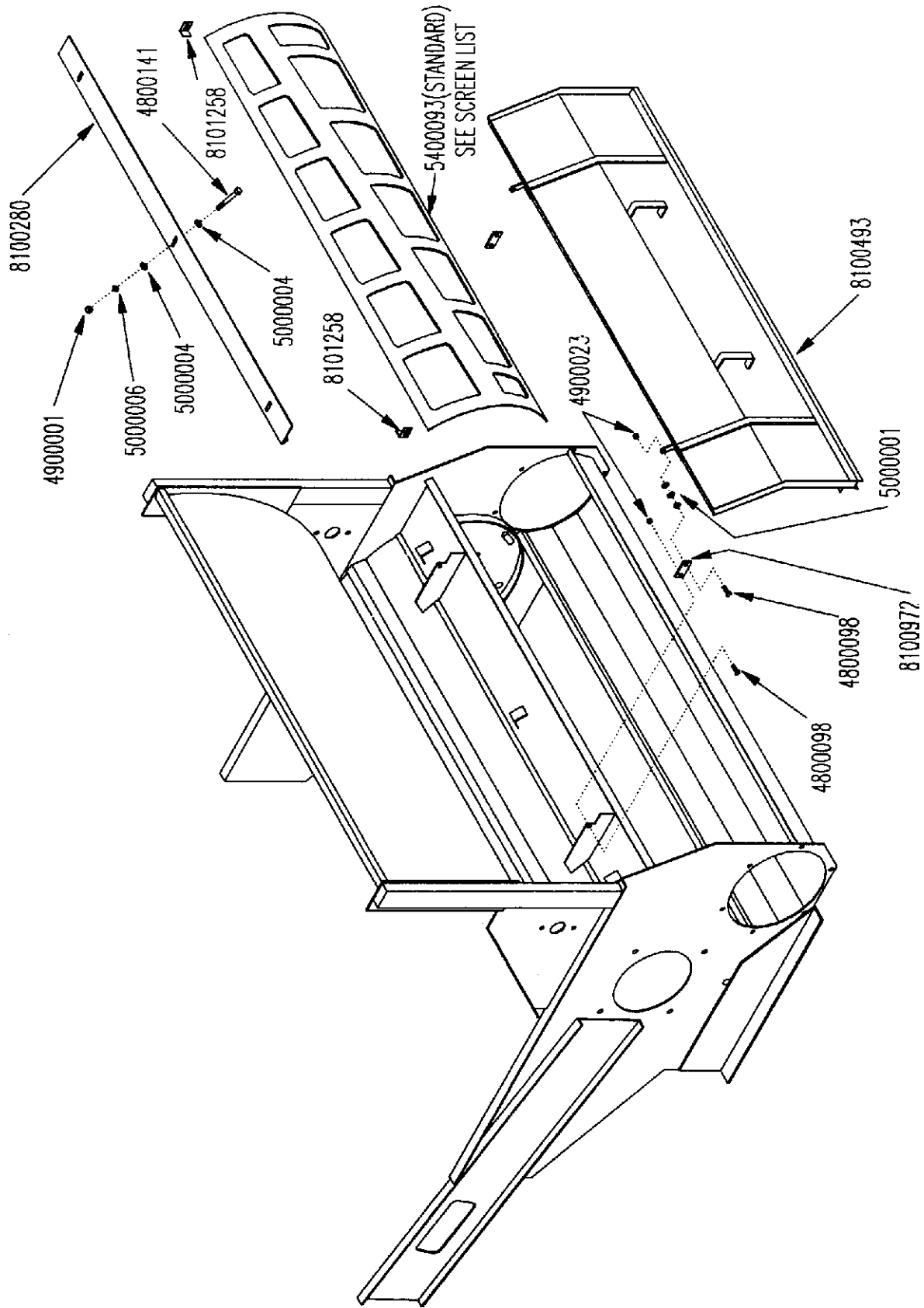
SLUGBUSTER ASSEMBLY

PART #	QTY.	DESCRIPTION
2000813	2	CLLR\SHFT\1-1/2\SET
3800043	2	FTG\LUBE\1/8MPXZRK\SHORT
4800010	4	BOLT\HEX\5/8X2
4800018	4	BOLT\HEX\1/2X1-1/4
4800107	4	PIN\HAIR\1/8 (#9)
4800123	8	PIN\COT\1/8X1-1/2
4800356	2	SCR\SET\ALN\3/8X1/2\NC
4900001	4	NUT\HEX\1/2\NC
4900005	4	NUT\HEX\5/8\NC
4900012	4	NUT\TPLCK\5/8\NC
5000003	4	WASH\LOCK\5/8
5000004	8	WASH\FLAT\1/2
5000006	4	WASH\LOCK\1/2
5800619	1	JACK\RATCHET\20\CLOSED
6200007	1	KEY\SQ\3/8X1-1/2
8100549	4	MNT\LINK\SLUGBUSTER\256DS
8100550	4	"BLT\ADJ\2-1/2" SLUGBUSTER"
8100953	1	SLUGBUSTER\ 9 BAR
8100553	1	COV\SLUGBUSTER\256DS
8100554	4	MNT\BLT\CR\SLUGBUSTER\DS
8100555	4	"MNT\PIN\4-1/4" SLUGBUSTER"
8100556	4	"MNT\PIN\5-1/4" SLUGBUSTER"
8100557	1	BRKT\TORQUE\SLUGBUSTER
8100558	1	BRKT\CYL\SLUGBUSTER
8100559	2	BRKT\BRG\SLUGBUSTER
8100629	4	SPCR\SLUGBAR\3/8\2544

AUGER DRIVE ASSEMBLY

PART #	QTY.	DESCRIPTION
1400084		SHVE\B-3\7.4\3TB74
1400085		SHVE\B-3\8.6\3TB86
1400214	1	PULY\IDLER\DS 208052080
1400523	1	BUSH\Q1\1-3/4
1400524	1	BUSH\Q1\1-1/2
1600040	3	VBELT B65 S.N. HI0185 AND UP
2000308	1	BRG\FLG\CAST\1-1/2\2BOLT
2000311	1	BRG\FLG\CAST\1-3/4\4BOLT
4800003	13	BOLT\HEX\3/8X1
4800044	1	PIN\COT\5/32X1-1/2
4800054	1	BOLT\HEX\5/8X3-1/2
4800082	8	BOLT\HEX\1/2X1-1/2
4800098	13	BOLT\HEX\3/8X1-1/4\NC
4800114	2	BOLT\HEX\1/2X2
4900001	12	NUT\HEX\1/2\NC
4900002	17	NUT\HEX\3/8\NC
4900012	1	NUT\TPLCK\5/8\NC
4900116	1	NUT\SLOT\3/4\NF
5000001	17	WASH\FLAT\3/8
5000002	1	WASH\FLAT\5/8
5000004	1	WASH\FLAT\1/2
5000006	10	WASH\LOCK\1/2
5000014	1	WASH\FLAT\1"
5000019	20	WASH\LOCK\3/8
5000041	2	WASH\3/4IDX1-1/8OD\16GA
6100036	2	"1" OD X 4 5/16 SPRING"
6200026	2	KEY\SQ\3/8X3
8100191	1	RTR END PLATE
8100277	1	AUGER DS
8100312	1	IDLER ARM DS
8100315	1	IDLER SPRING ADJ BOLT DS
8100494	1	GUARD\BELT\ROTOR
8100495	1	GUARD\BELT\AUGER
8100512	1	RTR\FLAIL\18\4;ROWS
8100548	1	HSG\PAN\AUGER\END\256DS
8100571	1	MNT\IDLER\BELT\AUGER
8100582	1	SPCR\IDLER\BELT\AUGER
8100656	1	MNT\SPRING\DBL\DRIVE
8100657	1	MNT\BOLT\SPRING\DBL\DRIVE
8100730	1	AUGER
8100976	1	SHLD \ DRV \ REAR \ 2554 (NOT SHOWN)

AUGER COVER/SCREENS



AUGER COVER/SCREENS

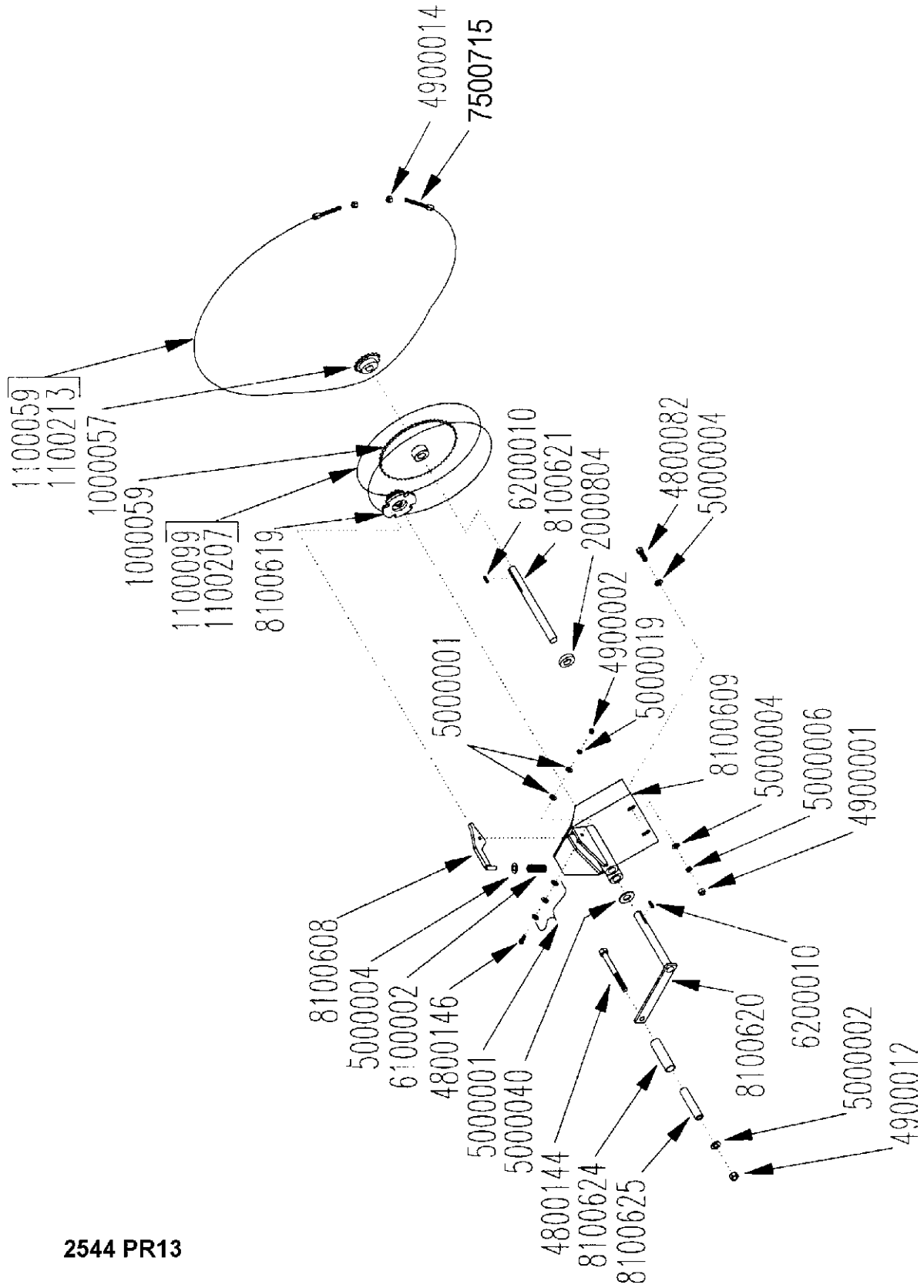
PART #	QTY.	DESCRIPTION
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4800098	4	BOLT\HEX\3/8X1-1/4\NC
4800141	3	BOLT\HEX\1/2X4-1/2
4900001	3	NUT\HEX\1/2\NC
4900023	4	NUT\PLCK\3/8\NC
5000001	6	WASH\FLAT\3/8
5000004	6	WASH\FLAT\1/2
5000006	3	WASH\LOCK\1/2
8100280	1	SCRN HOLD DOWN DS
8100493	1	DOOR\SHRDR\96\256DS
8100972	2	BRKT\LINK\ 8 INCH
8101258	2	BRKT\SCRN

SCREENS:

5400082	SCRN4-1/4X9-1/2HL\DS
5400083	SCRN3-1/4X9-1/2HL\DS
5400093	SCRN6-1/4X9-1/2HL\DS

VERTICAL MANUAL SPOUT CONTROL

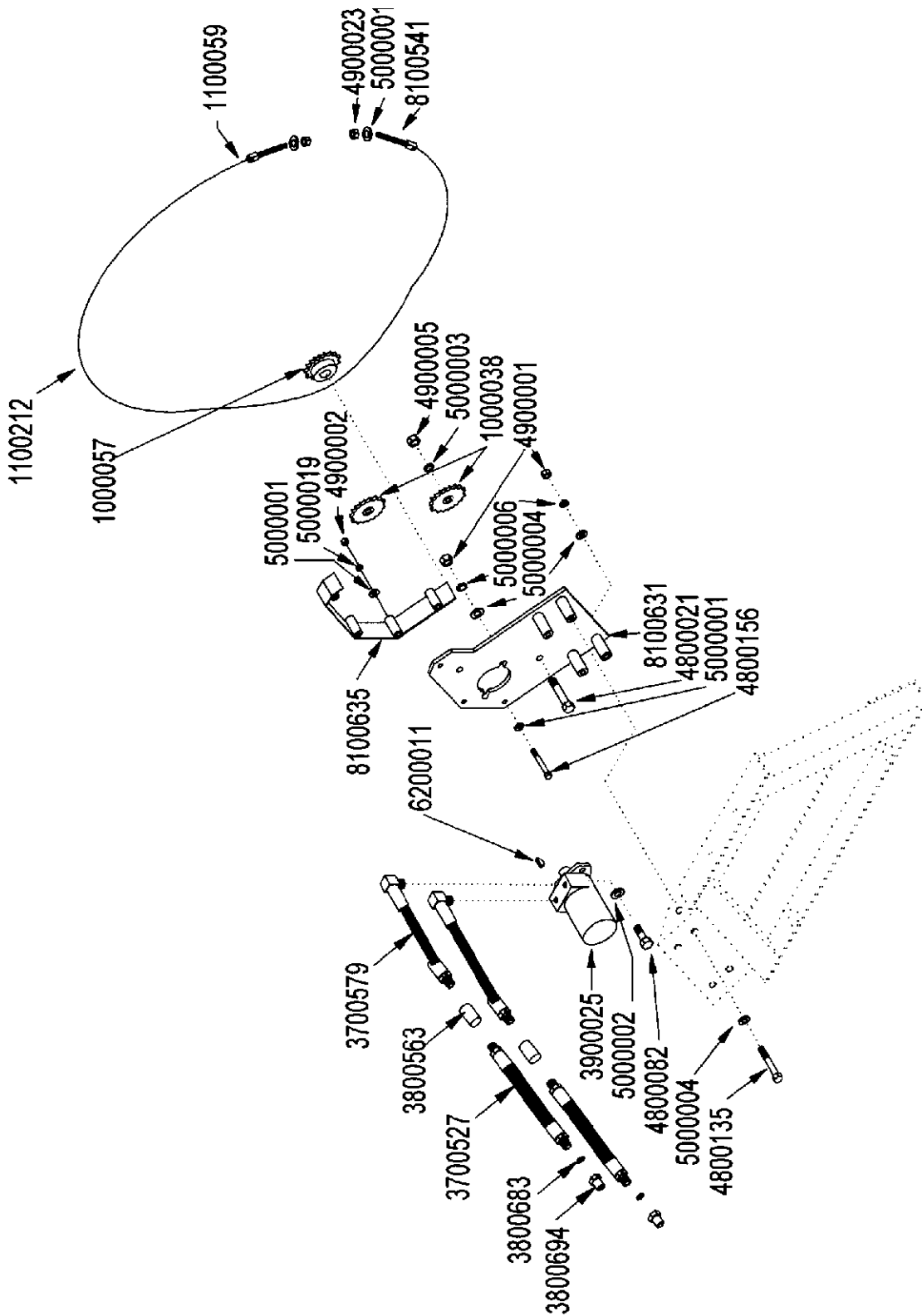


2544 PR13

VERTICAL MANUAL SPOUT CONTROL

PART #	QTY.	DESCRIPTION
8100651	1	KIT\MAN\SPT\CNTRL\VERTCL
1000057	1	SPKT\50\21\1\1/4KW
1000059	1	SPKT\50\48\1\1/4KW
1100059	2	CHAIN\50\CL
1100099	1	CHAIN\50DBL\CL
1100207	1	CHAIN\50DBL\47
1100213	1	CHAIN\50\155
2000809	1	CLLR\SHFT\1\SET
4800082	2	BOLT\HEX\1/2X1-1/2
4800144	1	BOLT\HEX\5/8X6-1/2
4800146	1	BOLT\HEX\3/8X2
4900001	2	NUT\HEX\1/2\NC
4900002	1	NUT\HEX\3/8\NC
4900012	1	BOLT\TPLCK\5/8\NC
4900014	2	"NUT\TPLCK\1/2\NC\.500"MAX"
5000001	5	WASH\FLAT\3/8
5000002	1	WASH\FLAT\5/8
5000004	5	WASH\FLAT\1/2
5000006	2	WASH\LOCK\1/2
5000019	1	WASH\LOCK\3/8
5000040	5	WASH\BUSH;MACH\1"NR
6100002	1	.072X .687 ODX 2 1/8 SPR
6200010	2	KEY\SQ\1/4X1
7500715	2	MNT\CHAIN\FAN\2544
8100608	1	DOG\LATCH\ADJ\FAN
8100609	1	BRKT\ADJ\FAN
8100619	1	SPKT\ADJ\FAN\256DS
8100620	1	HDL\CRANK\ADJ\FAN\256DS
8100621	1	SHFT\13-1/4X1\LATCH\ADJ>
8100624	1	TUBE\4-7/8X1-1/4X14GA\HDL
8100625	1	TUBE\5X1X.656\HDL

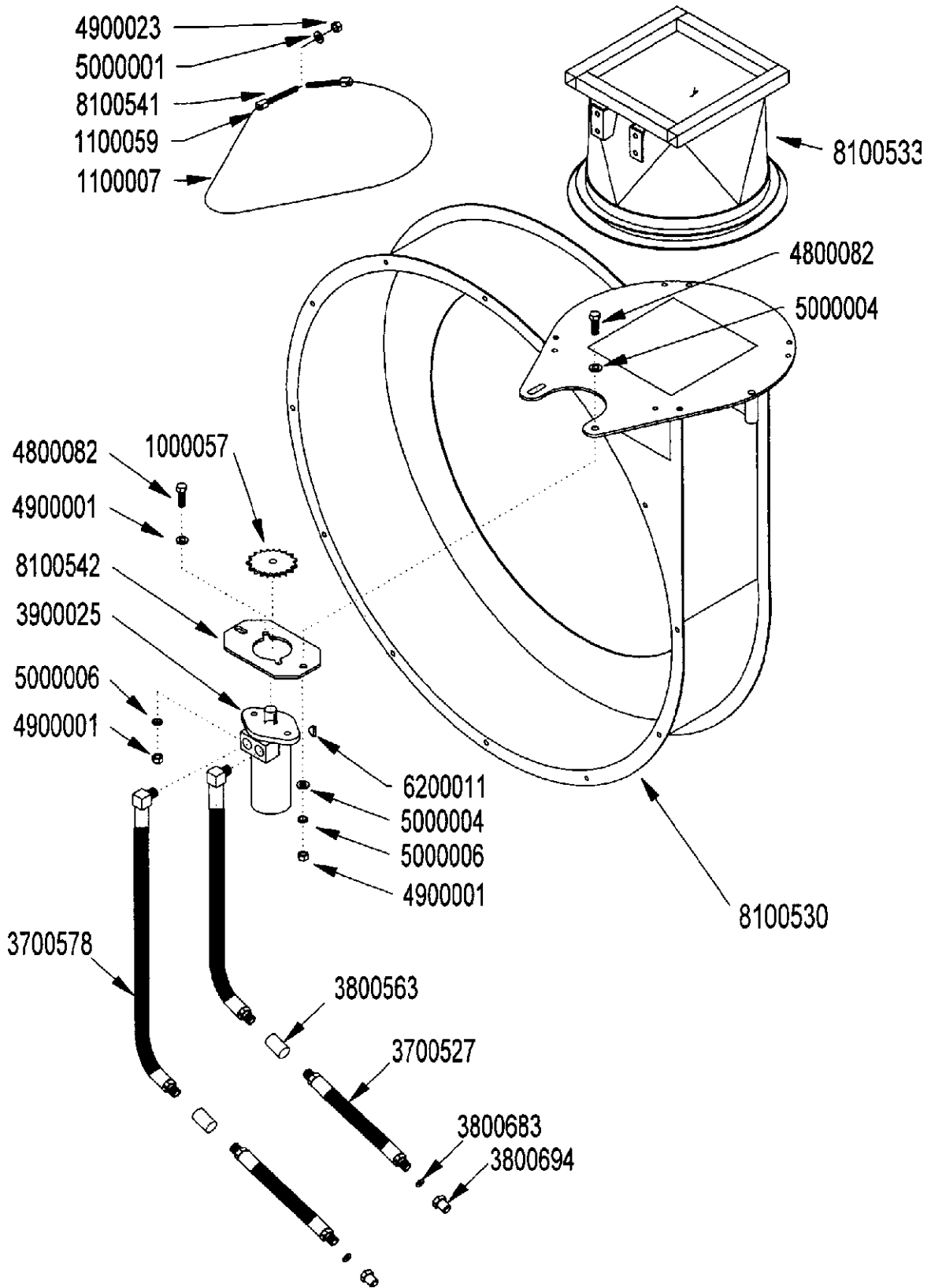
VERTICAL HYDRAULIC SPOUT CONTROL



VERTICAL HYDRAULIC SPOUT CONTROL

PART	QTY.	DESCRIPTION
8100692	1	KIT\HYD\CNTRL\SPT\VERTICL
1000038	2	SPKT\50\17\5\8\KWIDL
1000057	1	SPKT\50\21\11\4KW
1100059	2	CHAIN\50\CL
1100212	1	CHAIN\50\165
3800579	2	HOSE\HYD\1/2x38/7/8 MOR90-3/4 MOR
3900025	1	HYD\MTR\17.9\ O-RING
4800021	2	BOLT\HEX\5/8X3
4800082	2	BOLT\HEX\1/2X1-1/2
4800135	2	BOLT\HEX\3/8X3-1/2
4800156	4	BOLT\HEX\3/8X3
4800188	4	BOLT\HEX\1/2X4
4900001	4	NUT\HEX\1/2\NC
4900002	8	NUT\HEX\3/8\NC
4900005	2	NUT\HEX\5/8\NC
4900023	3	NUT\PLCK\3/8
5000001	8	WASH\FLAT\3/8
5000002	4	WASH\FLAT\5/8
5000003	2	WASH\LOCK\5/8
5000004	8	WASH\FLAT\1/2
5000006	4	WASH\LOCK\1/2
5000019	4	WASH\LOCK\3/8
6200011	1	KEY\WDF\1/4X1\#15\808
7500715	2	MNT\CHAIN\FAN\2544
8100631	1	BRKT\ADJ\FAN\HYD\2544
8100635	1	SHLD\CHN\ADJ\FAN\2544
3700241	2	HOSE\HYD\1/2X91
OR		
3700527	4	HOSE\HYD\1/2X40\MOR-MOR
3800563	2	FTG\3/4-16FORX3/4-16FOR\BUSH
3800683	2	FTG\3/4 MOR\ORFICE\ 3/64
3800694	2	FTG\3/4 FOR\ QUICK\CPLR

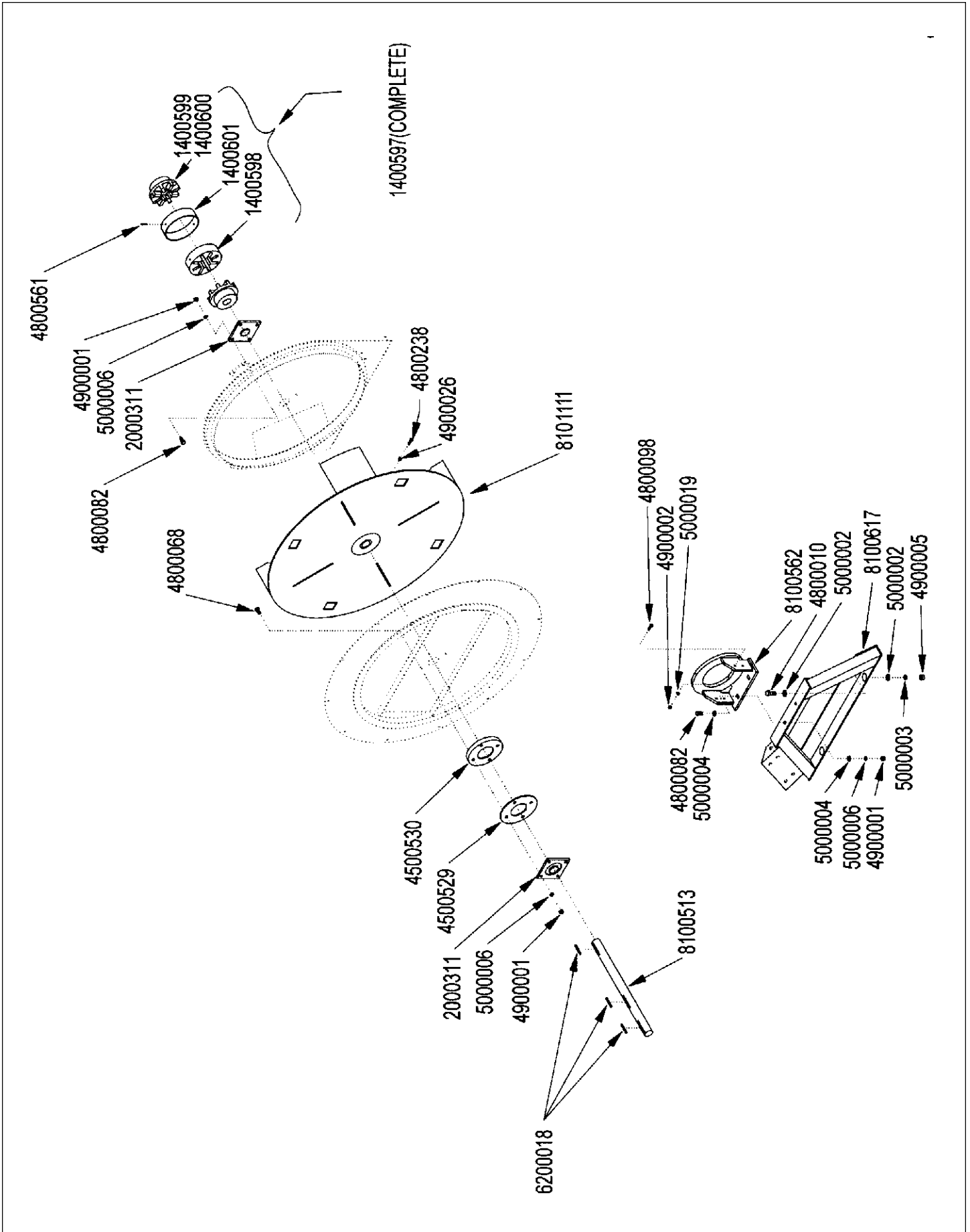
HORIZONTAL HYDRAULIC SPOUT CONTROL



HORIZONTAL HYDRAULIC SPOUT CONTROL

PART	QTY.	DESCRIPTION
8100964		KIT\HYD\CNTR\SPT\HORIZNTL
1000057	1	SPKT\50\21\1\1/4KW
1100007	1	CHAIN\50\77
1100059	2	CHAIN\50\CL
3900025	1	HYD\MTR\17.9\O-RING
4800082	4	BOLT\HEX\1/2X1-1/2
4900001	4	NUT\HEX\1/2\NC
4900023	2	NUT\PLCK\3/8\NC
5000001	2	WASH\FLAT\3/8
5000004	6	WASH\FLAT\1/2
5000006	4	WASH\LOCK\1/2
6200011	1	KEY\WDF\1/4X1\#15\808
7500715	2	MNT\CHAIN\FAN\2544
8100542	1	MNT\MTR\ORBIT\FAN
3700578	2	HOSE\HYD\1/2x9617/8MOR90-3/4MORS
8100733		BRACKET\STOP\FAN
3800563	2	FTG\3/4-16 FOR X 3/4-16 FOR\BUSH
3800683	2	FTG\3/4 MOR\ORFICE\ 3/64
3700527	2	HOSE\HYD\1/2 X 40\MOR-MOR
3800694	2	FTG\3/4 FOR\QUICK\CPLR

ROTOR ASSEMBLY



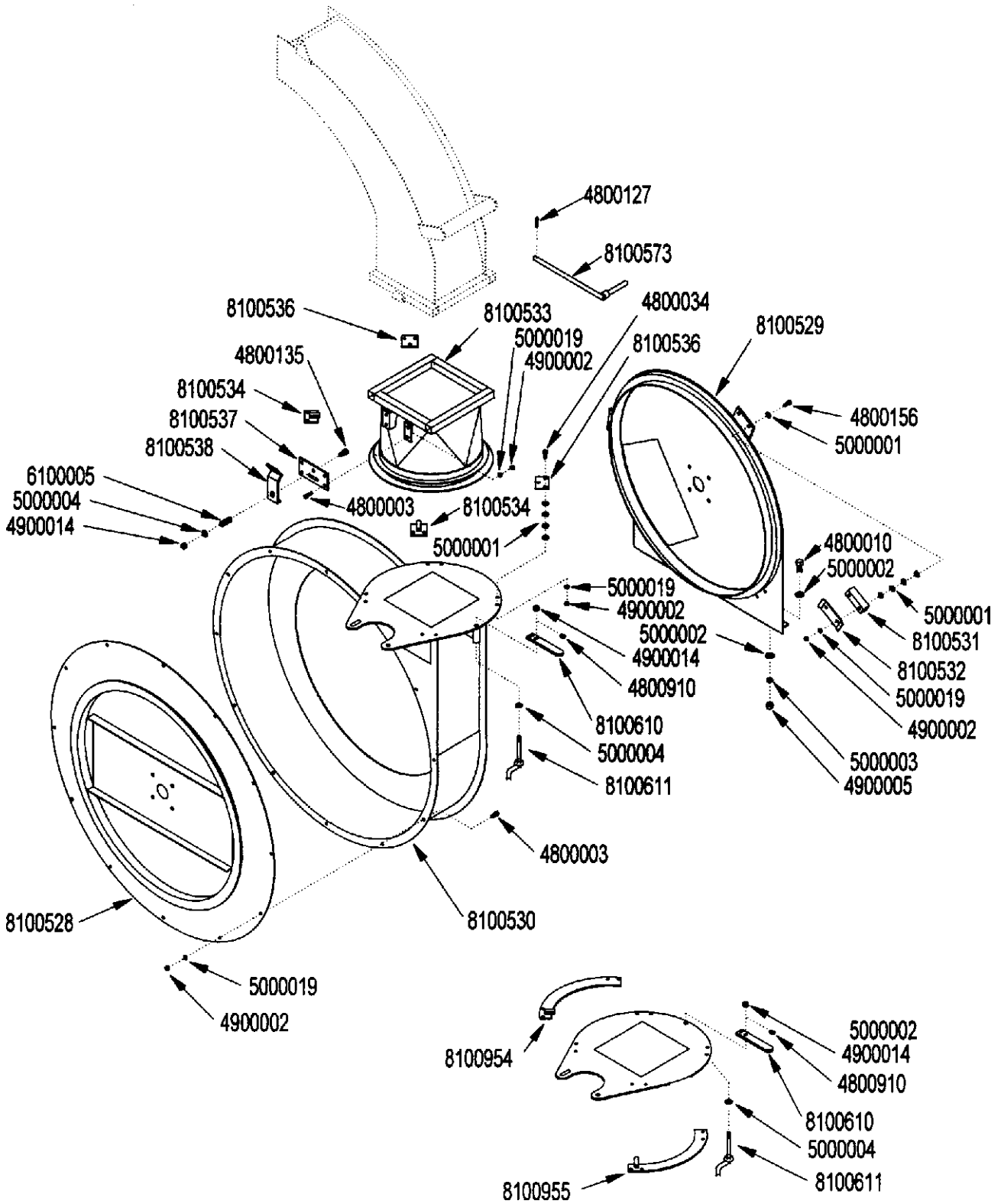
ROTOR ASSEMBLY

PART #	QTY.	DESCRIPTION
1400597	1	CPLR\R-40\FALK\CMPLOT
1400598	1	CPLR\R-40\INSERT\FALK
1400599	2	CPLR\R-40\1-3/4\HUB\FALK
1400600	2	BUSH\1-3/4\2517
1400601	1	CPLR\R-40\COVER\FALK
2000311	2	BRG\FLG\CAST\1-3/4\4BOLT
4500529	1	DISC CONVEYOR MT H1100
4500530	1	DISC CONV MT 7.5 X 3.5 ID
4800010	2	BOLT\HEX\5/8X2
4800068	4	BOLT\HEX\1/2X3
4800082	6	BOLT\HEX\1/2X1-1/2
4800098	4	BOLT\HEX\3/8X1-1/4\NC
4800238		SCR\SET\SQ\3/8X1-1/4\NC
4800561	2	SCR\SD&T\1/4X1
4900001	10	NUT\HEX\1/2\NC
4900002	4	NUT\HEX\3/8\NC
4900005	2	NUT\HEX\5/8\NC
4900026		NUT\JAM\3/8\NC
5000002	4	WASH\FLAT\5/8
5000003	2	WASH\LOCK\5/8
5000004	4	WASH\FLAT\1/2
5000006	10	WASH\LOCK\1/2
5000019	4	WASH\LOCK\3/8
6200018	3	KEY\SQ\3/8X2-1/2
8100513	1	SHFT\FAN\DISCH\1-3/4X26->
8100562	1	MNT\PIVOT\FAN\256DS
8100617	1	MNT\FAN\256DS
8101111	1	RTR\FAN\6-BLADE\2554

Not Shown

8101107		BRKT\SPACER\FAN\5/8\2554
8101108		BRKT\SPACER\FAN\1-1/8\2554
8101109		BRKT\SPACER\FAN\1-5/8\2554

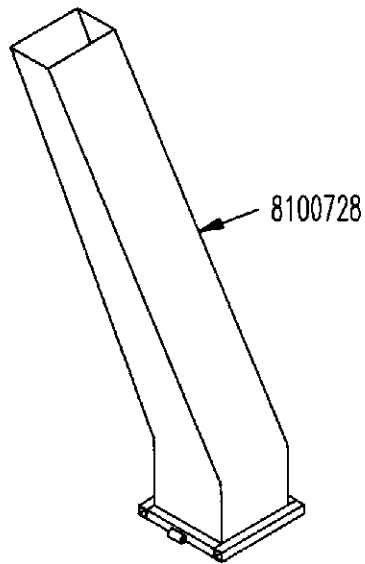
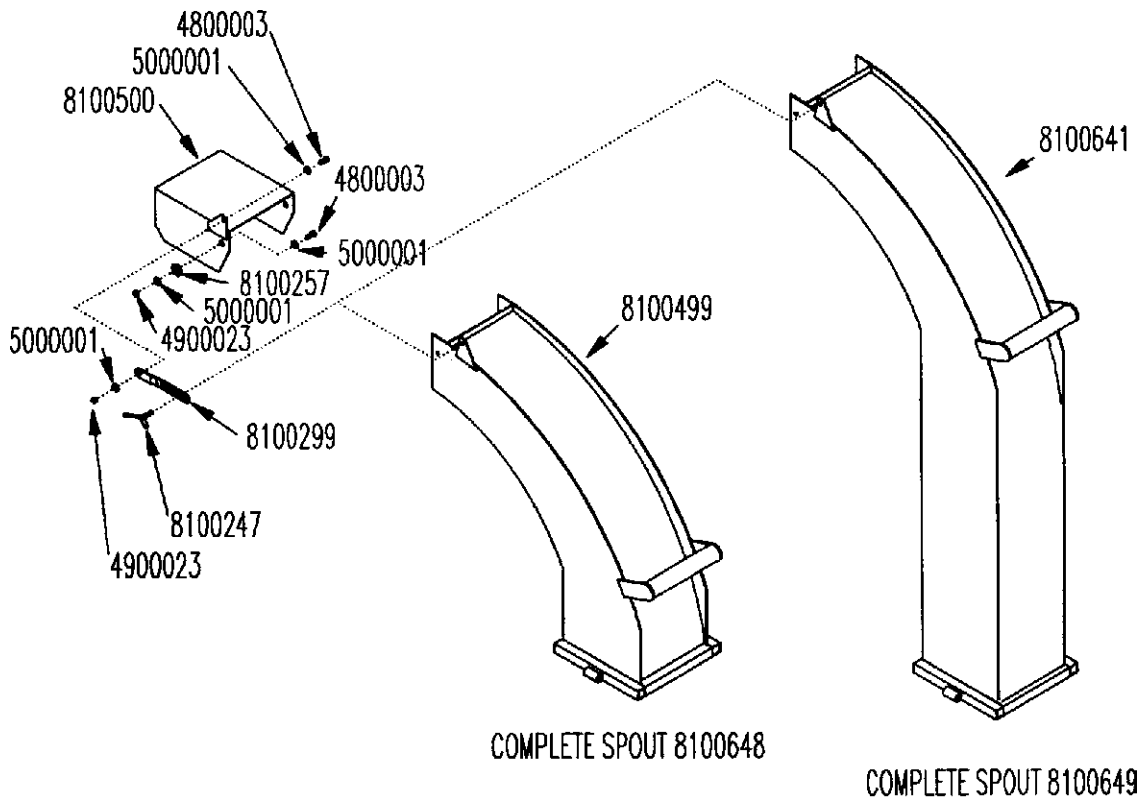
FAN HOUSING ASSEMBLY



FAN HOUSING ASSEMBLY

PART #	QTY.	DESCRIPTION
4800003	16	BOLT\HEX\3\8X1
4800010	2	BOLT\HEX\5\8X2
4800034	28	BOLT\HEX\3\8X1-1/2
4800127	1	PIN\COT\1\8X1
4800135	1	BOLT\HEX\1\2X3-1/2
4800156	6	BOLT\HEX\3\8X3
4800910	1	SNPRNG\EXT\1\2\8705A
4900002	30	NUT\HEX\3\8\NC
4900005	2	NUT\HEX\5\8\NC
4900014	2	"NUT\PLCK\12\NC\.500"MAX"
5000001	47	WASH\FLAT\3\8
5000002	4	WASH\FLAT\5\8
5000003	2	WASH\LOCK\5\8
5000004	2	WASH\FLAT\1\2
5000019	30	WASH\LOCK\3\8
6100005	1	SPRING\.249OT\13\16ID\^
8100528	1	HSG\FRT\CVR\FAN
8100529	1	HSG\REAR\FAN
8100530	1	HSG\FAN
8100531	3	BRKT\RETAINER\FAN
8100532	3	RETAINER\FAN
8100533	1	TRANS\FANBUSTER\256+II
8100954	1	BRKT\RETAINER\RH\FAN
8100955	1	BRKT\RETAINER\LH\FAN
8100537	1	MNT\LATCH\TRNS\FAN
8100538	1	LTCH\SPOUT\FAN
8100573	1	PIN\FAN\256DS
8100610	1	BRKT\TGHTR\SPOUT\DISCH
8100611	1	HDL\TGHTR\SPOUT\DISCH
8100733		BRACKET\STOP\FAN
8100747	3	STOP\PLASTIC\FAN\2544

FAN SPOUTS

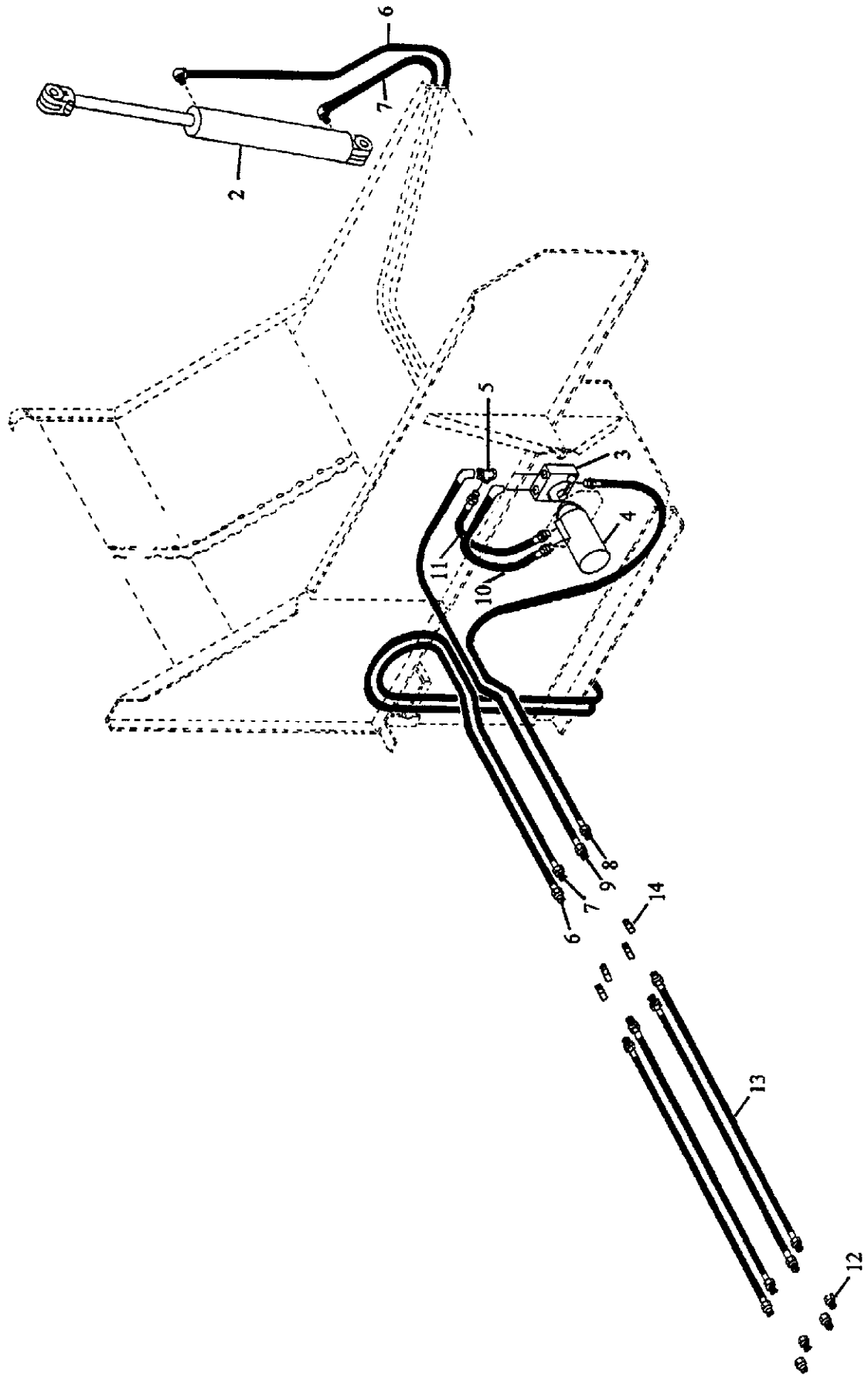


COMPLETE SPOUT 8100734
ALSO INCLUDES 8100729 AND 8100747

FAN SPOUTS

PART #	QTY.	DESCRIPTION
4800003	3	BOLT\HEX\3/8X1
4900023	3	NUT\TPLCK\3/8\NC
5000001	6	WASH\FLAT\3/8
8100247	1	BOLT\ADJ\SPOUT
8100257	2	BUSH\DFLCTR\SPOUT
8100299	1	STRAP\ADJ\SPOUT
8100499	1	SPOUT\FAN\DISCHARGE
8100500	1	DFLCTR\SPOUT\DISCH
8100641		SPOUT\EXTENDED\FAN\DISCHARGE
8100648	STD.	SPOUT\CURVED\3FT\COMPLETE
8100649	OPTION	SPOUT\CURVED\6FT\COMPLETE
8100728	OPTION	NZZL\8AT\30DISCH\2544
8100729		BRKT\STOP\FAN
8100734	OPTION	NZZL\8FT\30DGR\KIT\2544
8100747		STOP\PLASTIC\FAN\2544

HYDRAULICS ASSEMBLY



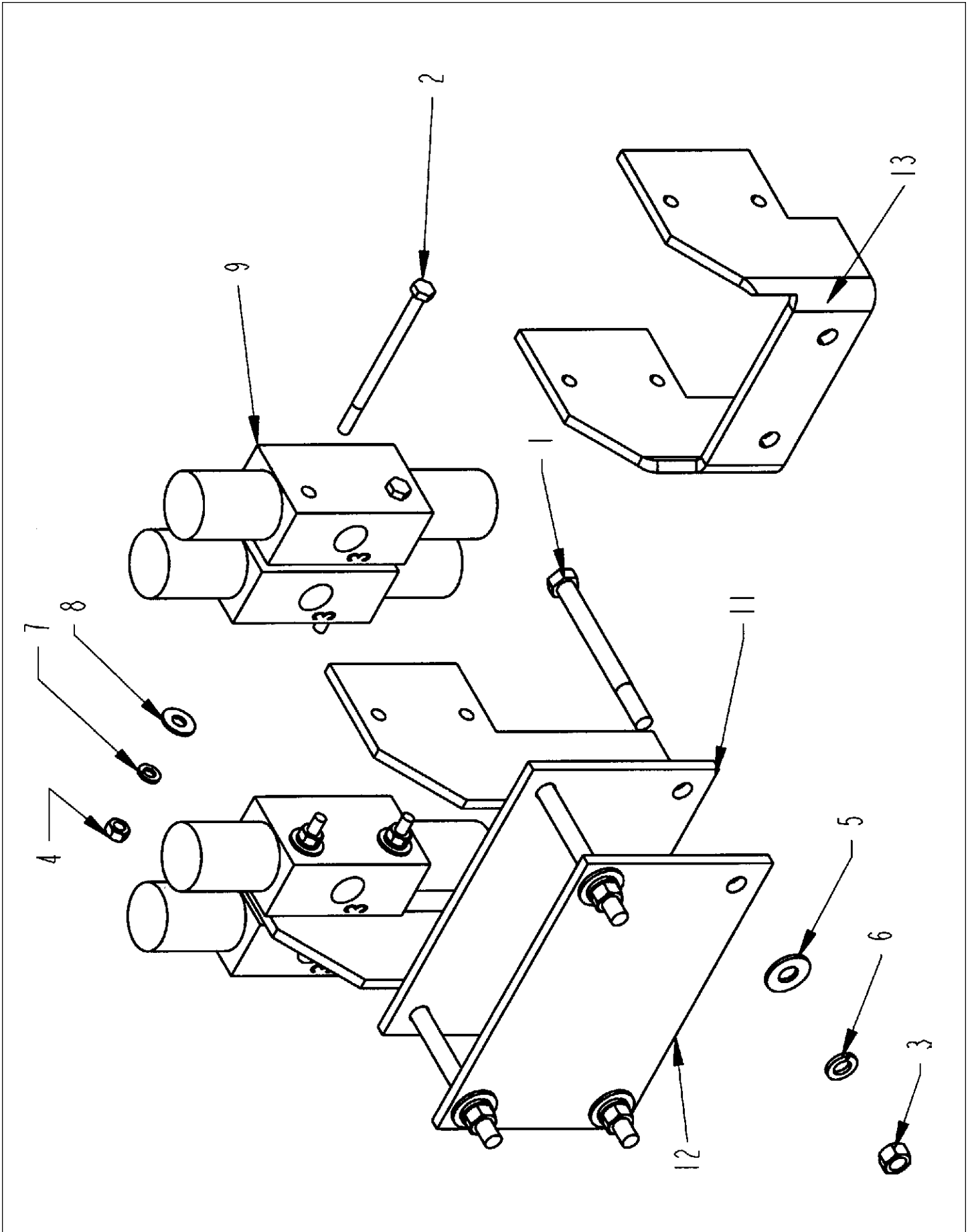
HYDRAULICS ASSEMBLY

ITEM	PART #	QTY.	DESCRIPTION
1	3700558		HYD\ASSY\2544
2	4100151	1	CYL\HYD\4X24\W1-3/4ROD\>
3	4000213	1	FULL FLOW VALVE RD15016
4	3900025	1	M-207 ORBIT MOTOR
5	3800483	1	FTG\1/2FP\TEE
6	3700559	1	HOSE\HYD\1/2X226\3/4MOR90
7	3700560	1	HOSE\HYD\1/2X204\3/4MOR90
8	3700561 ^(11A)	1	HOSE\HYD\1/2X84\3/4MORS
9	3700562 ^(11B)	1	HOSE\HYD\1/2X93\3/4FJIC90
10	3700563	1	HOSE\HYD\1/2X17\3/4MOR90
11	3700564	1	HOSE\HYD\1/2X18\3/4FJIC90
12	3800694	4	FTG\3/4FOR\QUICK\CPLR
13	3700565	4	HOSE\HYD\1/2X96\3/4MORS
14	3800563	4	FTG\3/4-16FORX3/4-16FOR\BUSH

Not Shown

7500360	GROMMET\RUBBER\2X1-3/4X1/4
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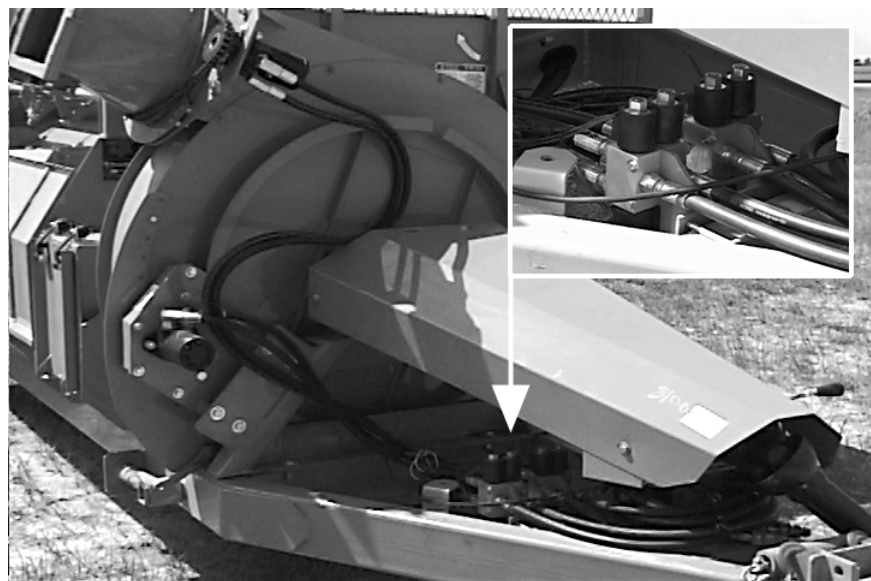
HYDRAULIC MULTIPLIER MOUNTING POSITION (OPTION)
4 SINGLE VALVES



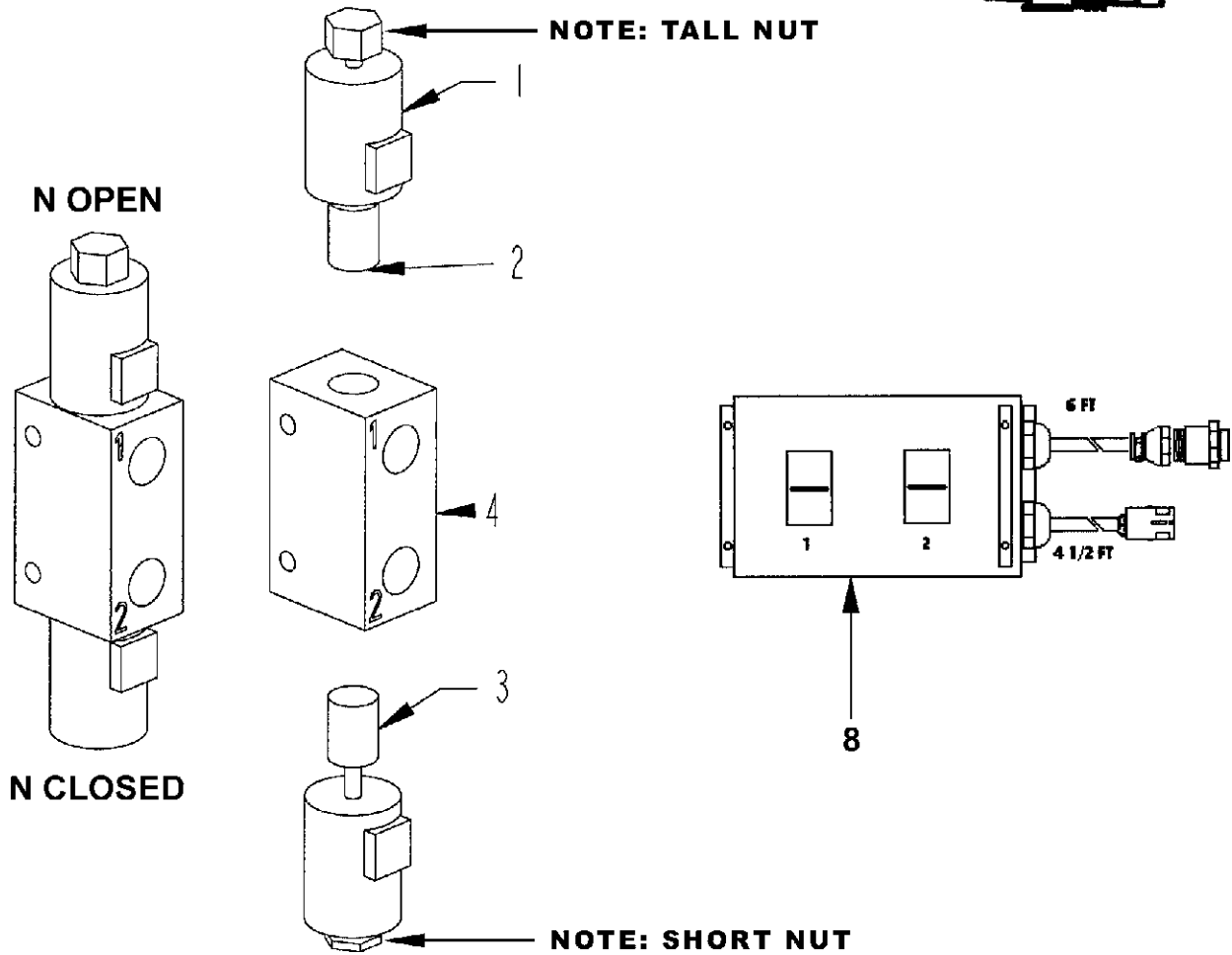
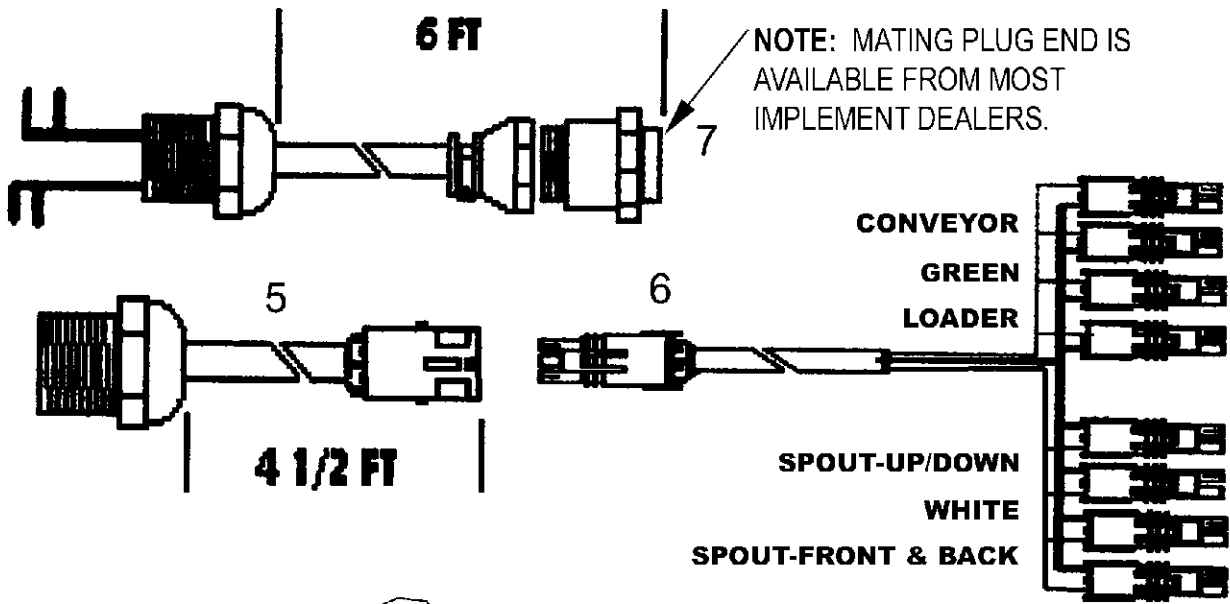
**HYDRAULIC MULTIPLIER MOUNTING POSITION (OPTION)
4 SINGLE VALVES**

ITEM	PART #	QTY.	PART DESCRIPTION
1	4800089	4	BOLT\HEX\3/8X4
2	4800333	4	BOLT\HEX\1/4X4
3	4900002	4	NUT\HEX\3/8\NC
4	4900009	4	NUT\HEX\1/4\NC
5	5000001	4	WASH\FLAT\3/8
6	5000019	4	WASH\LOCK\3/8
7	5000024	4	WASH\LOCK\1/4
8	5000035	4	WASH\FLAT\1/4
9	5700362	1	VALVE\ELEC\MULTIPLIER
10	8100748	1	CNTRL\SPOUT\HYD-ELEC\KIT
11	8100993	1	MNT\ELECT-HYD\VALVE
12	8100994	2	MNT\PLT\ELEC-HYD\VALVE
1	4800034	2	BOLT\HEX\3/8X1-1/2
2	4800333	4	BOLT\HEX\1/4X4
3	4900002	4	NUT\HEX\3/8\NC
4	4900009	4	NUT\HEX\1/4\NC
5	5000001	4	WASH\FLAT\3/8
6	5000019	4	WASH\LOCK\3/8
7	5000024	4	WASH\LOCK\1/4
8	5000035	8	WASH\FLAT\1/4
9	5700362	1	VALVE\ELEC\MULTIPLIER
13	8101069	1	MNT\ELEC-HYD\VALVE

**Hydraulic Multiplier
Hose Routing**

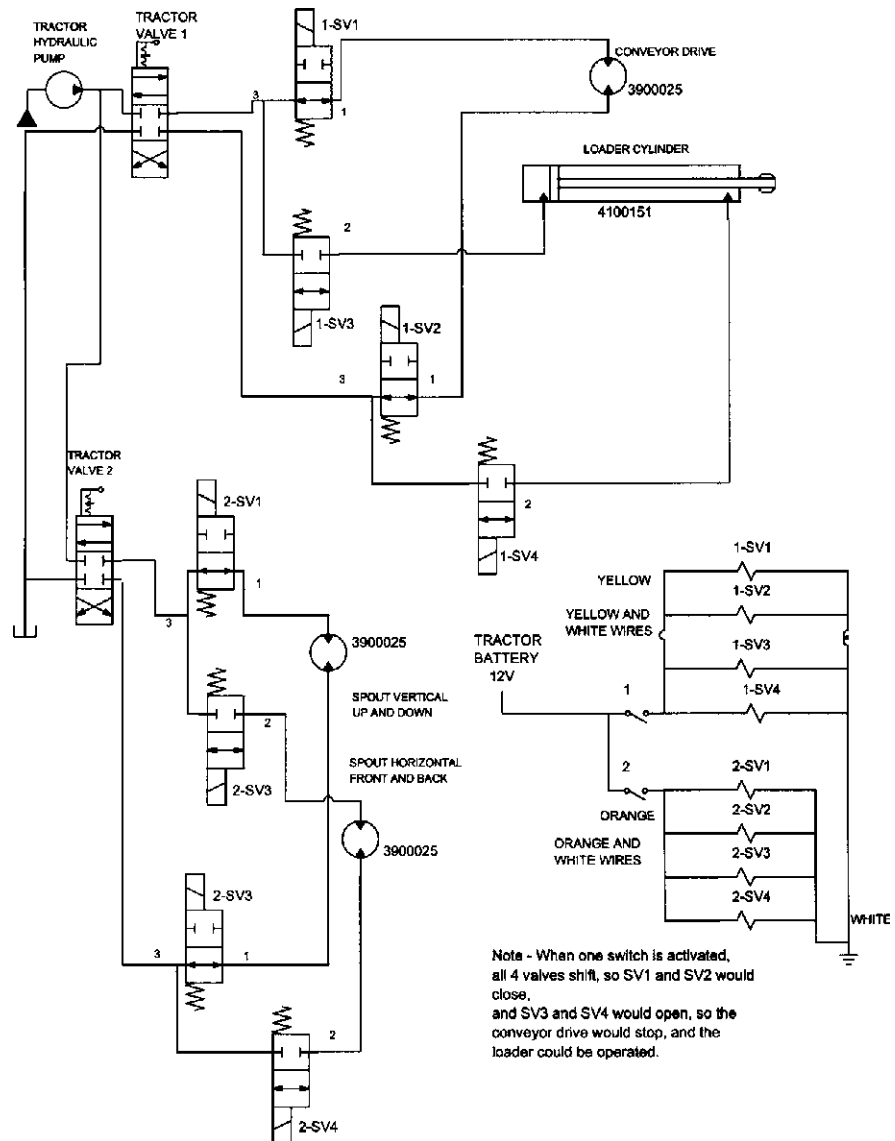


**ELECTRIC MULTIPLIER VALVE (OPTION)
4 SINGLE VALVES**

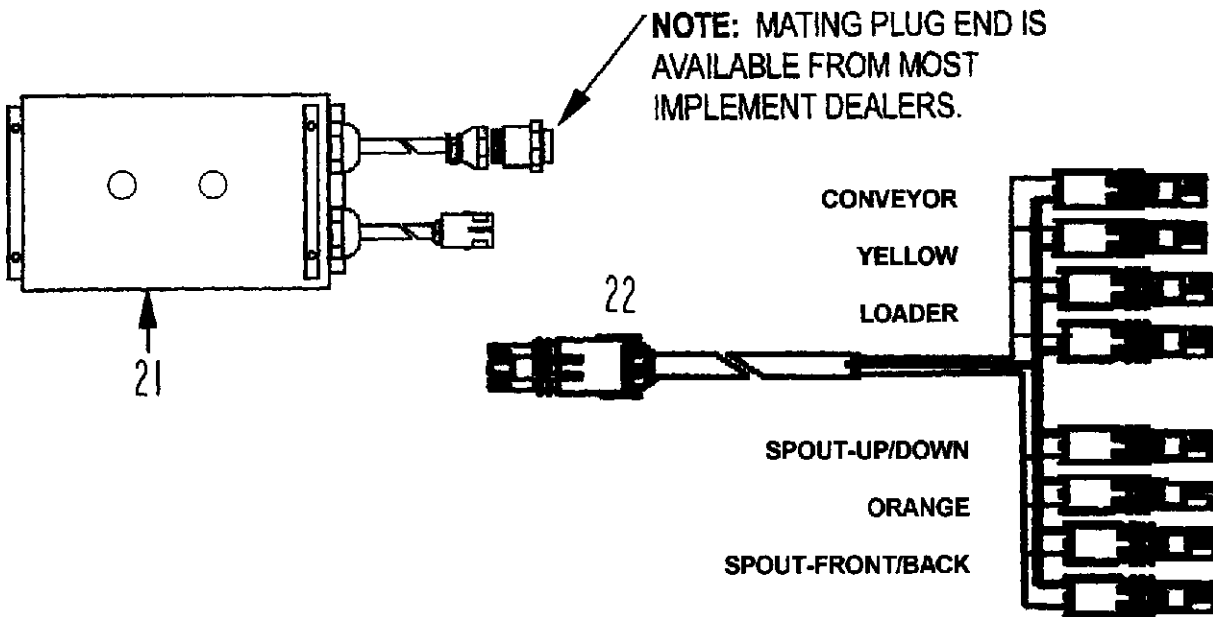
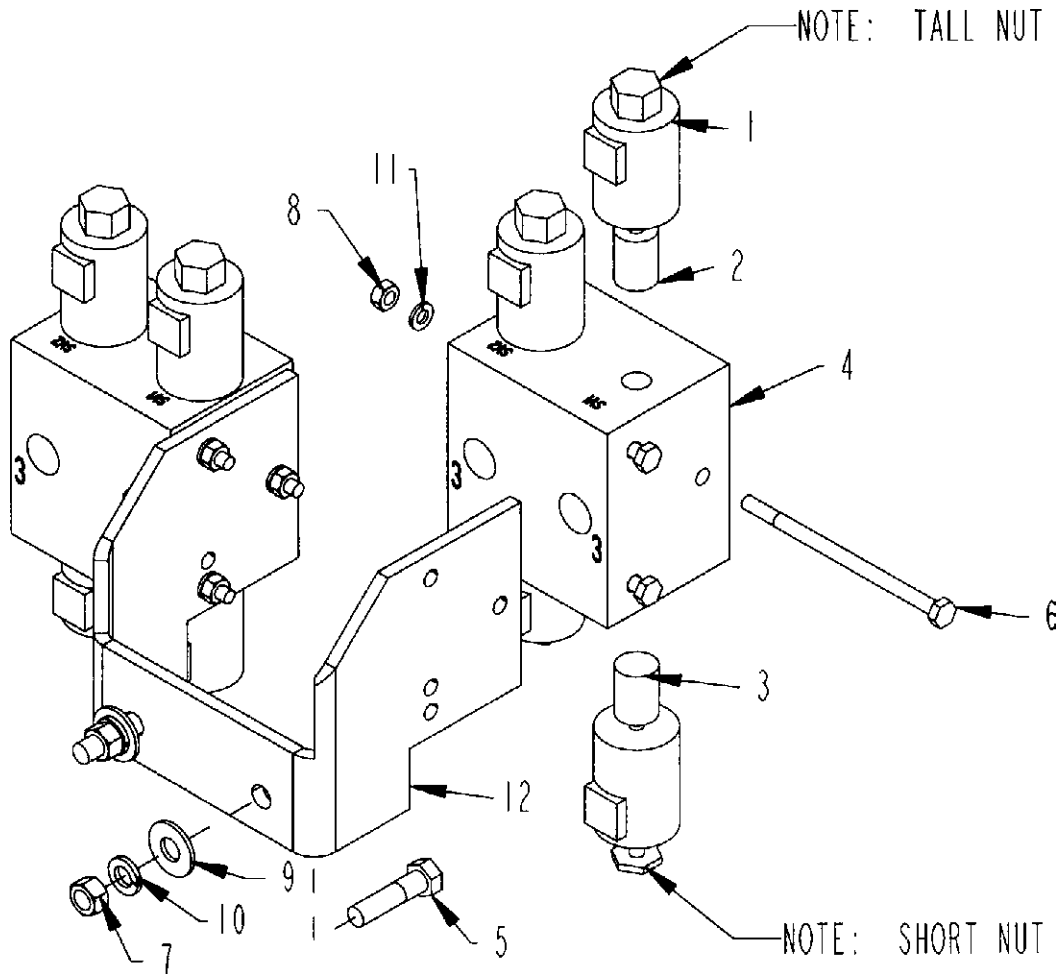


**ELECTRIC MULTIPLIER VALVE (OPTION)
4 SINGLE VALVES**

ITEM	PART#	QTY.	PART DESCRIPTION
1-8	5700362	1	VALVE\ELEC\MULTIPLIER
1-4	4000168	4	VALVE\HYD\DIR\2SPL\12V
1	4000169		VALVE\HYD\SOL\12V\PACKARD:CONNECTOR
2	4000170		VALVE\HYD\CART\N:OPEN
3	4000171		VALVE\HYD\CART\N:CLOSED
4	4000168BODY		VALVE BODY
5	5700391	1	HARN\CORD\MIDDLE
6	5700392	1	HARN\CORD\CONNECTOR\VALVE
7	3700393	1	HARN\CORD\POWER
8	5700411	1	BOX\CNTRLW-CORDS
	4000298		VALVE\SEAL\KIT4000170 & 4000171

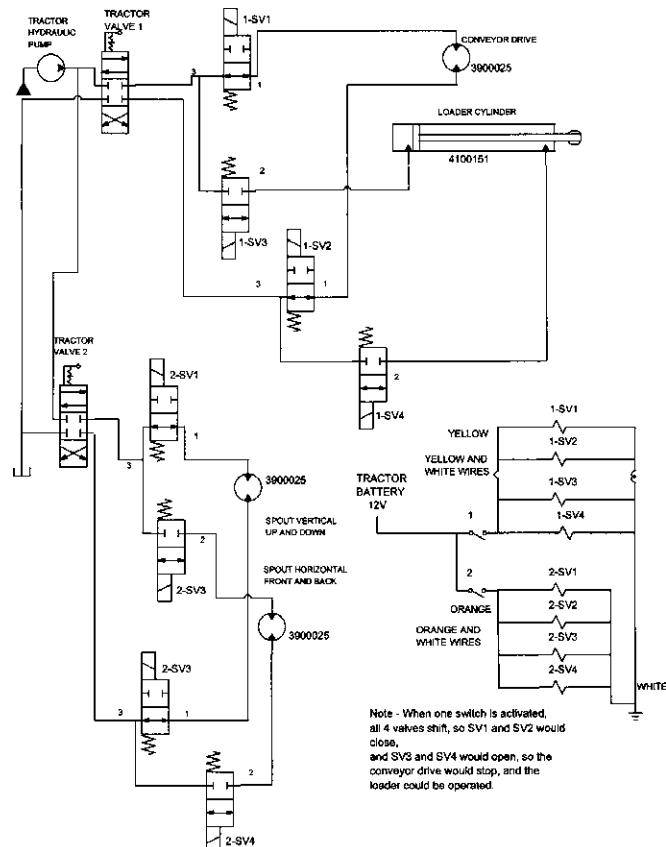


**HYDRAULIC MULTIPLIER MOUNTING POSITION (OPTION)
2 DOUBLE VALVES**

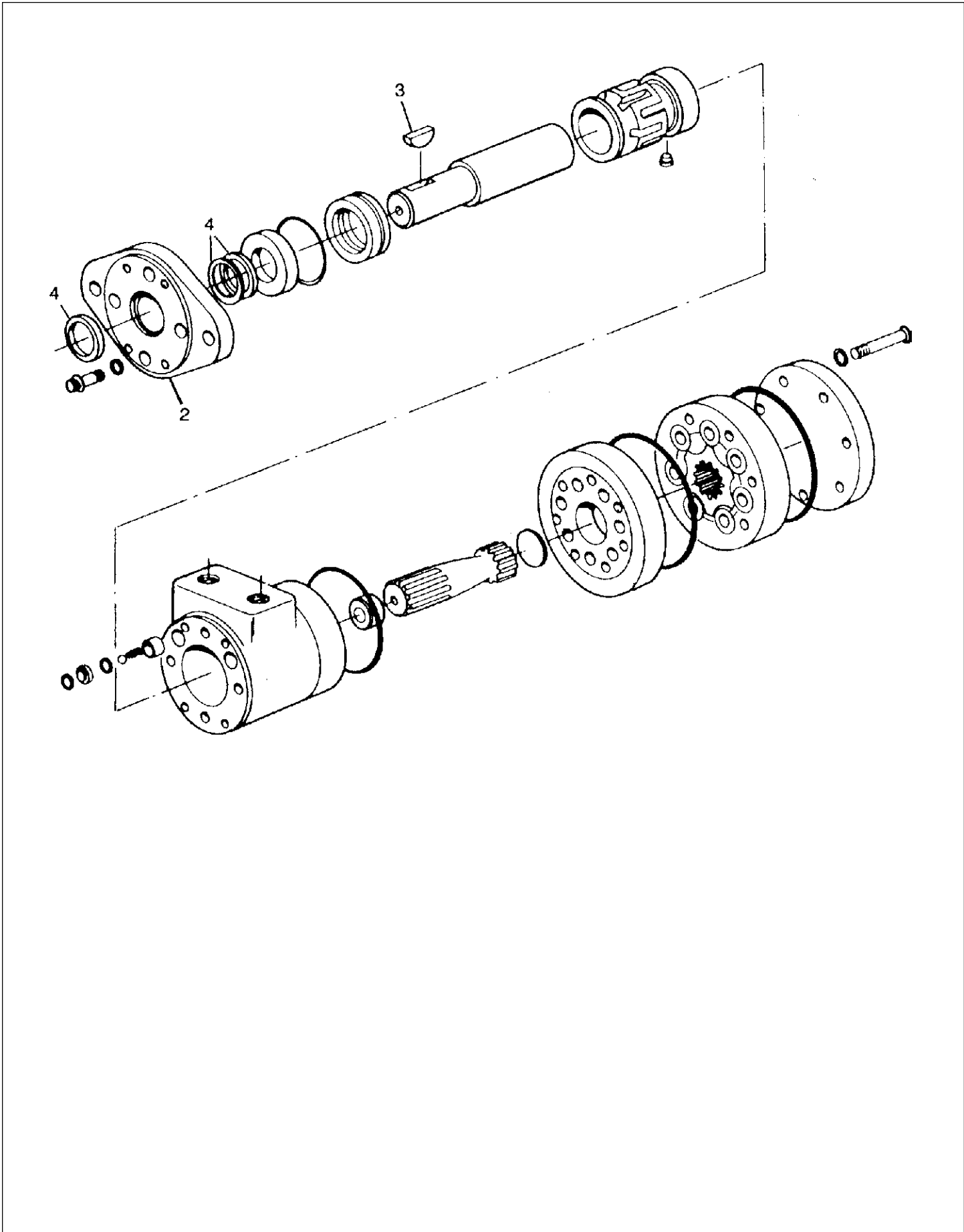


HYDRAULIC MULTIPLIER MOUNTING POSITION (OPTION) 2 DOUBLE VALVES

ITEM	PART #	QTY.	PART DESCRIPTION
	8101189	1	CNTRL\SPOUT\HYD-ELEC\KIT
1	4000169	8	VALVE\HYD\SOL\12V\PACKARD:CONNECTOR
2	4000170	4	VALVE\HYD\CART\N:OPEN
3	4000171	4	VALVE\HYD\CART\N:CLOSED
4	4000276	2	VALVE\HYD\MULTIPLER
5	4800034	2	BOLT\HEX\3/8X1-1/2
6	4800545	6	BOLT\HEX\1/4X4-1/2
7	4900002	2	NUT\HEX\3/8\NC
8	4900009	6	NUT\HEX\1/4\NC
9	5000001	2	WASH\FLAT\3/8
10	5000019	2	WASH\LOCK\3/8
11	5000024	6	WASH\LOCK\1/4
12	8101069	1	MNT\ELEC-HYD\VALVE
20	5700597		HARN\MULTIPL\HYD\W\BOX
21	5700636		HARN\MULTIPL\HYD\TRCTRHLF\W\BOX
21A	5700638		SWITCH\TOG\SPST\ON-OFF
21B	5700639		BOOT\DUST\TOG\for 5700638
22	5700637		HARN\MULTIPL\HYD\MACHHLF\VALVE
	4000298		VALVE\SEAL\KIT\4000170 & 4000171



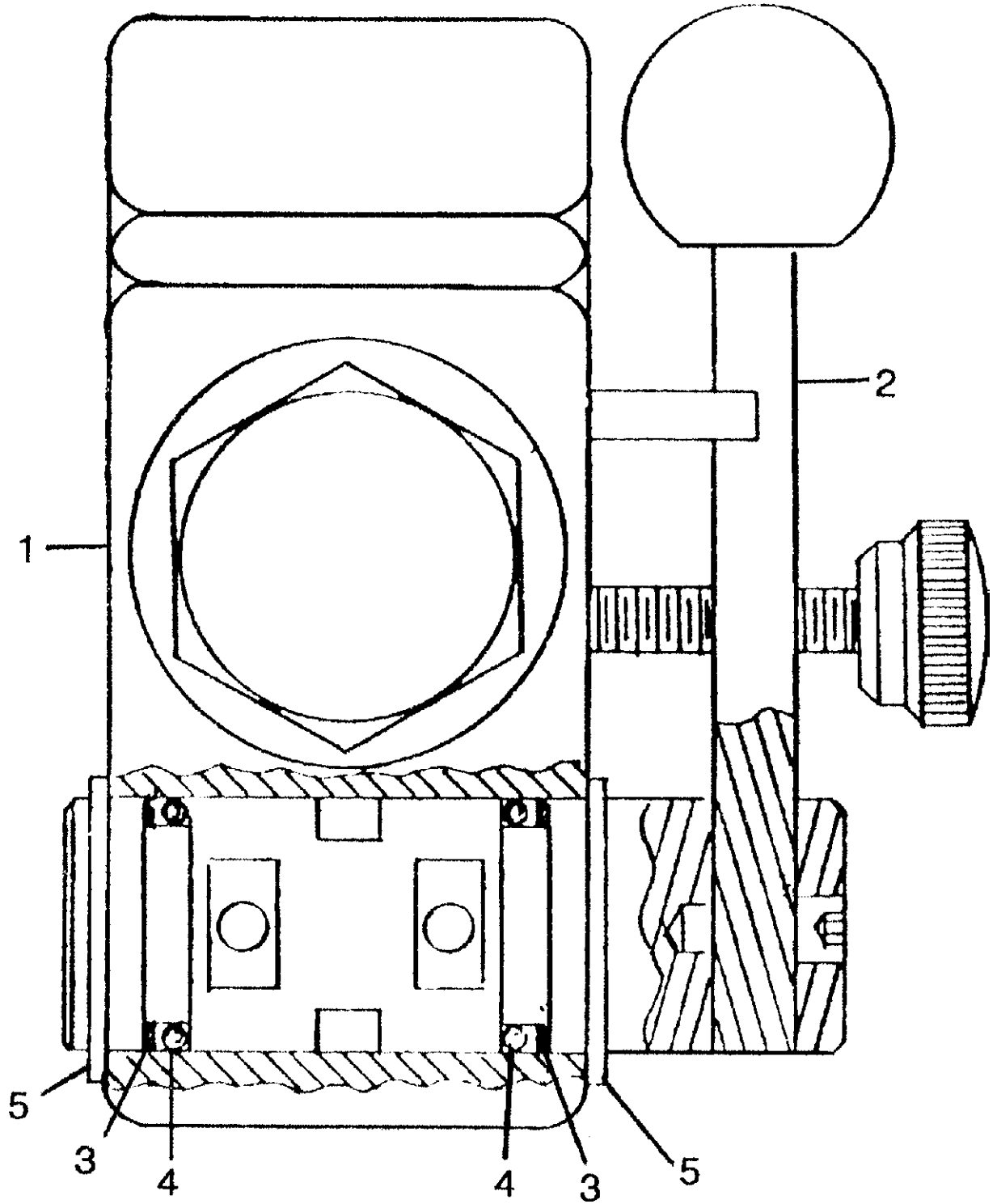
ORBIT MOTOR ASSEMBLY



ORBIT MOTOR ASSEMBLY

ITEM	PART #	QTY.	DESCRIPTION
1	3900025		MTR\HYD\17.9\O-RING
2	3900002	1	MTG FLG
3	6200011	1	KEY\WDF\1/4X1\#15\808
4	7501038	1	UNI SEAL KIT 007-009

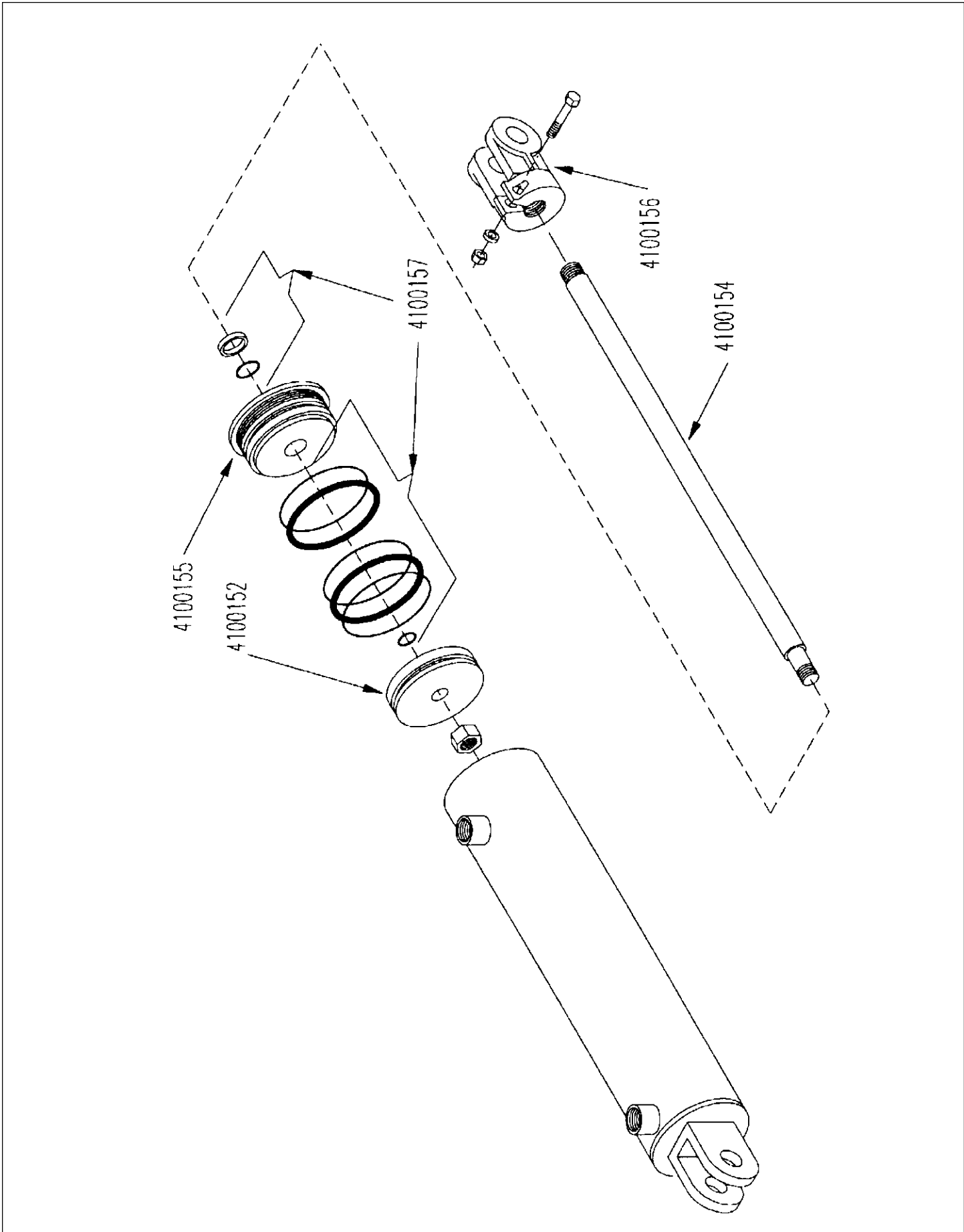
FLOW CONTROL VALVE



FLOW CONTROL VALVE

ITEM	PART #	QTY.	DESCRIPTION
1	4000213	1	VALVE\FLOW-CONTROL\O-RING
2	4000031	1	HANDLE ASSEMBLY-HYD VALVE
3	4000032	2	BACKUP SEAL
4	4000033	2	O-RING
	4000091		SEAL KIT (INCLUDES 4000032 AND 4000033)
5	4000034	2	SNAP RING-HYD VALVE

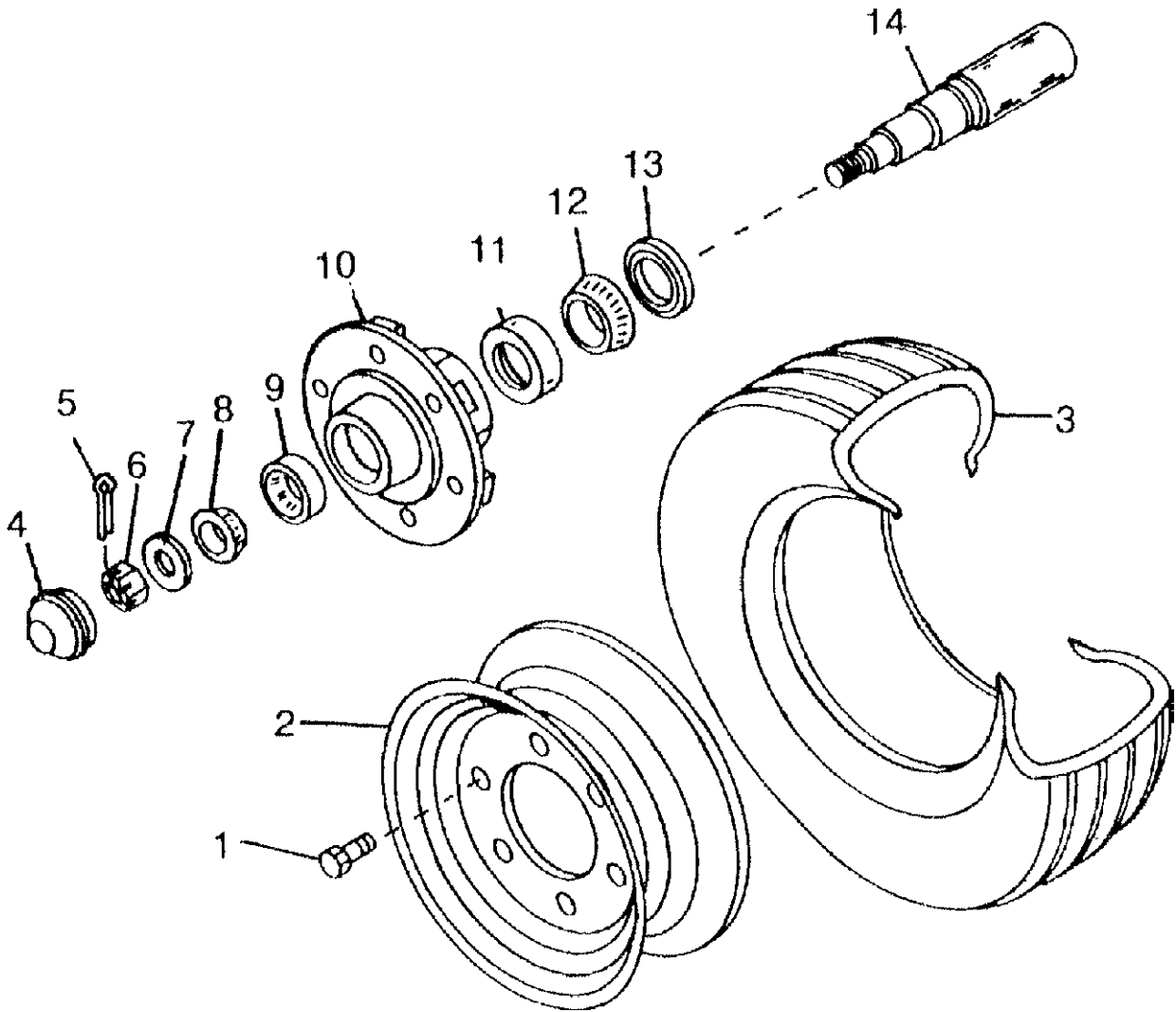
HYDRAULIC CYLINDER



HYDRAULIC CYLINDER

PART #	QTY.	DESCRIPTION
4100151	1	CYL\HYD\4X24\W1-3/4ROD\1"PIN
4100152	1	"CYL\HYD\PISTON\4""
4100154	1	CYL\HYD\ROD\1-3/4\4X24
4100155	1	CYL\HYD\GLAND\4\1-3/4ROD
4100156	1	CYL\HYD\YOKE\4X24
4100157	1	CYL\HYD\SEAL KIT\4\1-3/4>
4100188		CYL\HYD\4X24\W1 3/4 ROD\1"PIN\RAM
4100190		CYL\HYD\SEAL KIT\4\ 1 3/4 FOR 41-78

AXLE & WHEELS



AXLE & WHEELS

ITEM	PART #	QTY.	DESCRIPTION
1	2900012	12	BOLT\WHEEL\WHL;HUB
2	2600624	2	"15"X10" 6-BOLT WHEEL "
2&3	2600823	OPTION	WHL\ASSY\31X10.5X15\MOUNTED AND BALANCED
3	2600041	2	TIRE\31X10.5X15
4	2900013	2	CAP\DUST\WHL;HUB(DC-13)
5	4800533	2	PIN\COT\3/16X1
6	4900054	2	NUT\CASTLE\7/8\NF
7	5000055	2	WASH\SPINDLE\7/8
8	2900018	2	CONE\OUTER\WHL;HUB (67048100 SERIES)
9	2900004	2	CUP\OUTER\WHL;HUB (67048100 SERIES)
10	NA	2	ORDER # 2900069
11	2900006	2	CUP\INNER\WHL;HUB 501310
12	2900007	2	CONE\INNER\WHL;HUB 501349
13	2900008	2	SEAL\WHL HUB 631(18823)
14	8100634	2	SPNDL\2X11-7/8\2554-WELD-ON
14	8101192	2	SPNDL\BOLT-ON\88DEG
	2900069		HUB\6-BOLT\COMPL (includes 1,4,5,6,7,8,9,10,11,12,13)
	2900823		WHL\HWY\KIT\31X10.5X15 (includes 2 and 3)

DECALS



6500020

CAUTION
ADJUST 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 16".

PRECAUCIÓN
AJUSTE LA BARRA DE TRACCIÓN DE EL TRACTOR A LA DISTANCIA DE 16 PULGADAS DE LA PUNTA DEL ÁRBOL MOTOR (PTO) EN EL TRACTOR AL CENTRO DE LA CLAVIA DE ENGANCHE EN LA BARRA DE TRACCIÓN.

6500057

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.

PELIGRO
LA PAJA, LAS PIEDRAS Y OTRAS COSAS TIRADAS POR LA MAQUINA.
NO SE PARE JUNTO AL LADO DE DESCARGA DE LA MAQUINA SI EL MOTOR ESTÁ EN MARCHA Y LAS PALETAS ESTÁN EN MOVIMIENTO.
NO SIGUIR ESTAS INSTRUCCIONES PUEDE RESULTAR EN HERIDAS GRAVES E INCLUSO LA MUERTE.

6500034

WARNING **ADVERTENCIA**
WAIT FOR ALL MOVEMENT TO STOP
FAILURE TO USE CAUTION COULD RESULT IN SERIOUS INJURY OR DEATH
ESPERE A QUE CESE TODO EL MOVIMIENTO
EL NO EJERCER PRECAUCION PODRIA RESULTAR EN LESIONES GRAVES O LA MUERTE

6500110

DANGER **PELIGRO**
ROTATING FLAILS CAN KILL OR DISMEMBER
KEEP CLEAR OF MACHINE UNTIL POWER TAKE-OFF HAS BEEN DISCONNECTED, TRACTOR ENGINE STOPPED AND FLAIL ROTATION STOPPED.
LAS PALETAS EN MOVIMIENTO PUEDEN DESMEMBRAR E INCLUSO MATAR
MANTENGA SU DISTANCIA HASTA QUE SE DISCONECTE LA TOMA DE FUERZA, EL MOTOR PARE Y LAS PALETAS DEJAN DE MOVVERSE

6500035

2554
6500320



6500036

WARNING **ADVERTENCIA**
FOR YOUR PROTECTION KEEP ALL SHIELDS IN PLACE AND SECURED WHILE MACHINE IS OPERATING. MOVING PARTS WITHIN CAN CAUSE SEVERE PERSONAL INJURY.
PARA ASEGURAR SU PROTECCION, MANTENGA TODOS LOS PROTECTORES EN SU LUGAR Y ASEGURADOS MIENTRAS LA MAQUINA ESTE OPERANDO. LAS PIEZAS MOVILES INTERIAS PUEDEN CAUSAR LESIONES PERSONALES GRAVES.

6500040



6500276

WARNING **ADVERTENCIA**
FOR YOUR PROTECTION AND PROTECTION OF OTHERS, PRACTICE THE FOLLOWING SAFETY RULES.
1. BEFORE OPERATING THE MACHINE, READ THE OPERATOR'S MANUAL CAREFULLY WITH THIS MACHINE AND YOUR TRACTOR.
2. CHECK OPERATOR'S MANUAL TO BE SURE YOUR TRACTOR MEETS THE MINIMUM REQUIREMENTS FOR THIS MACHINE.
3. READ ALL INSTRUCTIONS IN THE MANUAL FOR YOUR SAFETY AND CONFIDENCE.
4. NEVER ALLOW OTHERS ON THE EQUIPMENT OR THE TRACTOR.
5. STOP IF YOU FEEL UNCOMFORTABLE AT ANY TIME.
6. KEEP ALL SHIELDS IN PLACE WHILE MACHINE IS OPERATING.
7. KEEP HANDS, FEET, CLOTHING, ETC., AWAY FROM MOVING PARTS.
8. ALWAYS STOP THE MACHINE AND ENGINE BEFORE ANY MAINTENANCE, REPAIRS, TROUBLESHOOTING, OR REMOVAL OF THE MACHINE FROM THE WORK AREA. ALWAYS PLACE THE TRANSMISSION IN PARK OR IN FIRST GEAR AND HOLD THE BRAKE FOR ALL MAINTENANCE STOPPING OPERATIONS ON THIS MACHINE.
SIGA LAS REGLAS SIGUIENTES DE SEGURIDAD PARA SU PROTECCION Y LA PROTECCION DE OTROS.
1. LEA LAS INSTRUCCIONES DEL OPERADOR CON CUIDADO ANTES DE OPERAR ESTE EQUIPO Y SU TRACTOR.
2. VERIFIQUE QUE SU TRACTOR CUMPLE CON LOS REQUISITOS MÍNIMOS PARA ESTE EQUIPO.
3. LEA TODAS LAS INSTRUCCIONES EN EL MANUAL PARA SU SEGURIDAD Y SU CONFIANZA.
4. NUNCA PERMITA PARA OTROS EN ESTE EQUIPO O EN EL TRACTOR.
5. DETÉNTELE SI SE SIENTE INCOMODADO EN CUALQUIER MOMENTO.
6. MANTENGA TODOS LOS PROTECTORES EN SU LUGAR MIENTRAS LA MAQUINA ESTE OPERANDO.
7. MANTENGA LAS MANOS, LOS PIES, LA ROPA, ETC., ALEJADOS DE LAS PARTES MOVILES.
8. SIEMPRE DETENGA LA MAQUINA Y EL MOTOR ANTES DE HACER CUALQUIER MANTENIMIENTO, REPARACIONES, TROUBLESHOOTING O QUITARLA DEL AREA DE TRABAJO. SIEMPRE PONGA LA TRANSMISION EN PARADA O EN PRIMERA MARCHA Y MANTENGA EL FRENO PARA TODAS LAS OPERACIONES DE MANTENIMIENTO EN ESTE EQUIPO.

6500041

DECALS

<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
6500020	2	DECAL\LOGO\HYBSTR\SUNBRST
6500034	1	DECAL\DNGR\FLYG;HAY\RACK
6500035	2	DECAL\DNGR\ROTATNG;FLAILS
6500036	1	DECAL\INFO\BALE;ROTATION>
6500040	2	DECAL\WARN\SHIELD;PROT
6500041	1	DECAL\WARN\PROTECTION
6500057	1	DECAL\CAUT\ADJ.DRAW BAR
6500085	1	DECAL\DNGR\ROTATNG;DR-LNE
6500110	2	DECAL\WARN\WAIT;FOR;MVMNT
6500146	1	DECAL\LOGO\MFG.BY;HYBSTR>
6500320	2	2554
6500267	2	DECAL\WARN\2\RED\REFCT
6500268	1	DECAL\WARN\2\AMBER\REFCT
6500276		DECAL\STRAW CANNON
6500302	6FT	DECAL\LOGO\STRIP\RD&BLK
7500077		12 Oz Yellow Spray Paint
7500092		Quart Yellow Paint
7500091		Gallon Yellow Paint
7500078		12 Oz Red Spray Paint
7500105		Quart Red Paint
7500104		Gallon Red Paint



