



HAYBUSTER[®]

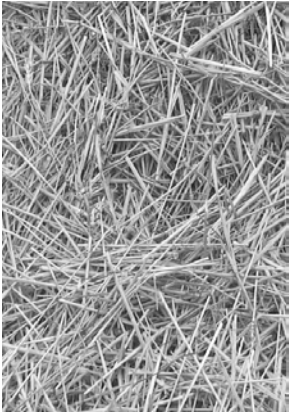
2640[™]

BALEBUSTER

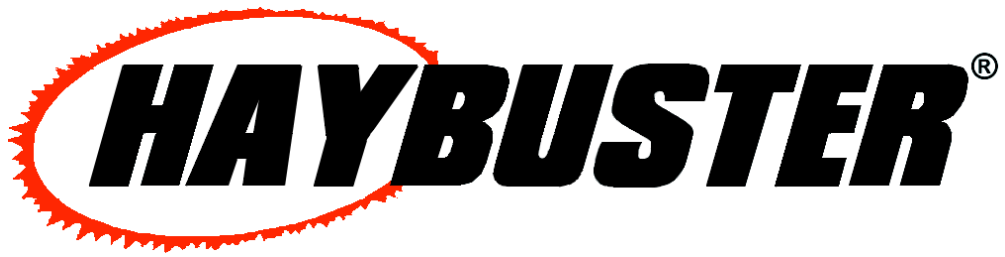
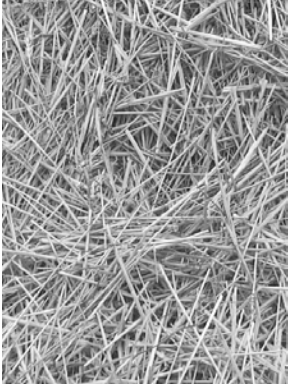
Serial Number 26BJ125240 & Up

**Operating Instructions
and Parts Reference**





HAYBUSTER[®]
A Tradition of Innovation Since 1966



2640TM



BALEBUSTER

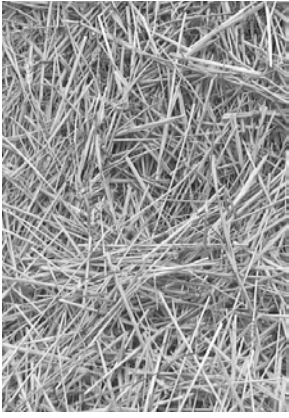
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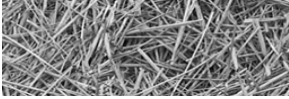
DuraTech Industries International Inc. (DuraTech Industries) has made every effort to assure that this manual completely and accurately describes the operation and maintenance of the *2640 BALEBUSTERTM* as of the date of publication. DuraTech Industries reserves the right to make updates to the machine 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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A Tradition of Innovation Since 1966



FOREWORD



Foreword

All personnel must read and understand the following sections before operating the 2640 *BALEBUSTER*[™].

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

Appropriate use of unit

Your model 2640 *BALEBUSTER* is designed to load and shred most types of baled livestock forage. It is designed for use on large round bales.



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

The 2640 *BALEBUSTER* has multiple uses:

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

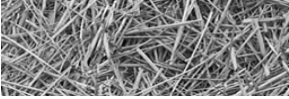


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Operator protection

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

The OPERATOR IS RESPONSIBLE for the safety of the operator and those in the surrounding area.

Operators of the 2640 BALEBUSTER are encouraged to wear head, eye, and ear protection, loose clothing is discouraged.

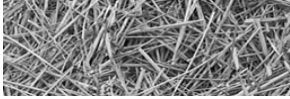


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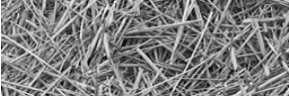


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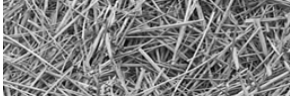


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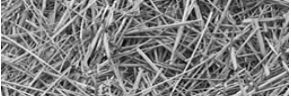
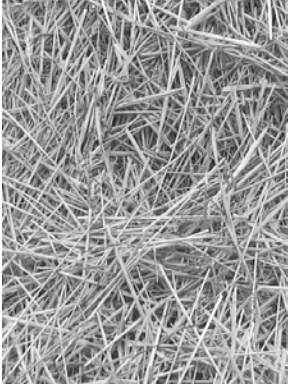


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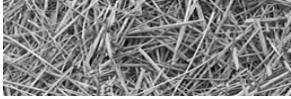
HAYBUSTER[®]

2640[™]

BALEBUSTER

Serial Number 26BJ125240 & Up

**PART 1: Operating
Instructions**



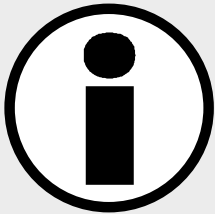
Introduction

Your model 2640 BALEBUSTER™ is designed to load and shred most types of livestock forage. It is designed specifically for use on 6 foot diameter round bales weighing up to 2,000 pounds and 6 feet in length.

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

Purpose

The purpose of this owner's manual is to explain maintenance requirements and routine adjustments for the most efficient operation of your 2640 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, right hand or left hand of this machine, the reference is always made from standing at the rear end of the machine and looking towards the hitch. Always use serial number and model number when referring to parts or problems. Please obtain your serial number and write it below for your future reference.

MODEL: 2640 BALEBUSTER

SERIAL NO _____



Section 1: Safety

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



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

THIS MACHINE IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THOSE EXPLAINED IN THE OPERATOR'S MANUAL, ADVERTISING LITERATURE OR OTHER DURATECH INDUSTRIES WRITTEN MATERIAL PERTAINING TO THE 2640 BALEBUSTER.

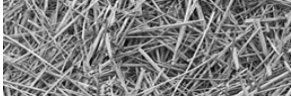
1.1 Safety-alert symbols

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.



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



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

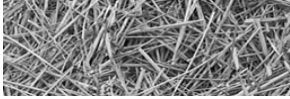


WARNING:
Signal word - Black Lettering/Orange Background
Safety Alert Symbol - Black Triangle/Orange Exclamation Point



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 **2640 BALEBUSTER** when you are fatigued. Be alert - If you get tired while operating your **2640 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.



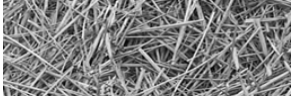
Good footing is most important. Wear sturdy boots with nonslip soles. Steel-toed safety boots are recommended.



To reduce the risk of injury to your eyes never operate a **2640 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.




6500034

 **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



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 **DANGER:** ROTATING DRIVELINE, CONTACT CAN CAUSE DEATH, KEEP AWAY!

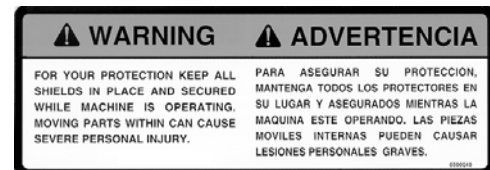
DO NOT OPERATE WITHOUT

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

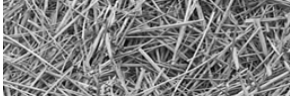


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 **WARNING:** FOR YOUR PROTECTION KEEP ALL SHIELDS IN PLACE AND SECURED WHILE MACHINE IS OPERATING MOVING PARTS WITHIN CAN CAUSE SEVERE PERSONAL INJURY.



6500040



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>SIGA LAS REGLAS SIGUIENTES DE SEGURIDAD PARA SU PROTECCION Y LA PROTECCION DE OTROS</p> <ol style="list-style-type: none"> 1. LEA LOS MANUALES DE SU 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 CALCOMANIAS COLOCADAS EN LA MAQUINA. 4. NUNCA PERMITA PASAJEROS EN ESTA MAQUINA O EN EL TRACTOR. 5. MANTENGA A LAJEROS A LOS ESPECTADORES MIENTRAS ESTA MAQUINA ESTE OPERANDO. 6. MANTENGA TODOS LOS PROTECTORES EN SU LUGAR MIENTRAS LA MAQUINA ESTE OPERANDO. 7. MANTENGA LAS MANOS, PIES, ROPAS HOJALDAS, ETC., ALEJADAS DE LAS PIEZAS PROPULSADAS. 8. SIEMPRE APAGUE LA MAQUINA Y EL MOTOR ANTES DE PRESTAR SERVICIO, DESTRABAR, INSPECCIONAR O TRABAJAR CERCA DE ESTA MAQUINA POR CUALQUIER MOTIVO. ANTES DE ACERCARSE A ESTA MAQUINA COLOQUE SIEMPRE LA TRANSMISION EN ESTACIONAMIENTO O ENGANCHE EL FRENO DE ESTACIONAMIENTO.

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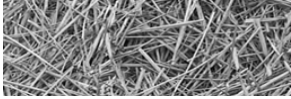


CAUTION: ADJUST TRACTOR DRAWBAR SO THAT THE DISTANCE FROM THE END OF THE P.T.O. SHAFT ON THE TRACTOR TO THE CENTER OF THE DRAWBAR HITCH PIN IS 16".

⚠ CAUTION	⚠ PRECAUCIÓN
 <ol style="list-style-type: none"> 1. 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". 2. ADJUST THE HITCH CLEVIS SO THE MACHINE IS PARALLEL WITH THE GROUND WHEN HITCHED TO TRACTOR. 3. HITCH MACHINE TO TRACTOR WITH A 1" HITCH PIN AND SECURE TO PREVENT LOSS. 4. ADJUST PTO BEARING BRACKET SO THE SHAFT ON THE MACHINE IS LEVEL WITH THE PTO SHAFT ON THE TRACTOR. <p>SEE OWNERS MANUAL FOR MORE INFORMATION</p>	<ol style="list-style-type: none"> 1. AJUSTAR LA BARRA DE TIRO DEL TRACTOR DE MODO QUE LA DISTANCIA DEL EXTREMO DEL EJE DE LA TDP DEL TRACTOR AL CENTRO DEL PUNTO DEL ENGANCHE DE LA BARRA DE TIRO SEA 16 pulgadas. 2. AJUSTAR LA HORQUILLA DEL ENGANCHE DE MODO QUE LA MAQUINA QUEDA PARALELA CON EL SUELO CUANDO ESTA ENGANCHADA AL TRACTOR. 3. ENGANCHAR LA MAQUINA AL TRACTOR CON UN PASADOR DE ENGANCHE DE 1 pulgada (25.4 mm) Y FIJARLO PARA EVITAR LA DESCONEXION. 4. AJUSTAR LA ESCUADRIA DEL CUNETE DE LA TDP DE MODO QUE EL EJE DE LA MAQUINA QUEDA AL MISMO NIVEL CON EL EJE DE LA TDP DEL TRACTOR. <p>VER EL MANUAL DEL OPERADOR PARA MAS INFORMACION.</p>

6500322

- Replacement decals can be purchased from your Haybuster dealer.



1.4 Shielding

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

1.5 Safety review Section

BEFORE OPERATING

- Read and follow all instructions contained in:
 - a. This 2640 BALEBUSTER operator's manual
 - b. Tractor operator's manual
 - c. Decals placed on the 2640 BALEBUSTER.

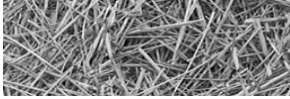


NOTE: Additional copies of the above mentioned materials can be obtained from your dealer.

- Allow only responsible, properly instructed individuals to operate your machine. Carefully supervise inexperienced operators.
- Use a tractor which meets the tractor requirement contained within this manual. Additional weights may be necessary.
- 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.
- Be sure all bystanders and other workers are clear before starting tractor and 2640 BALEBUSTER.
- Make no modifications to the machine unless specifically recommended or requested by DuraTech Industries.
- Check periodically for breaks or unusual wear and make any necessary repairs.
- Be sure the unit is securely attached to a tractor of equal or greater weight than the 2640 BALEBUSTER and bale.
- If required install P.T.O. 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 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. Disengage P.T.O. and make sure everyone is clear of machine before starting engine.

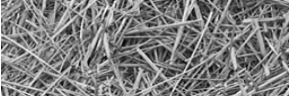


- Enforce the following safety precautions and others contained in this manual to prevent injury due to accidental contact with flying material thrown by flails.
 - a. Keep bystanders away from work area.
 - b. Keep shield in place and in good condition.
 - c. Watch out for and avoid any object that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

- Power takeoff shafts must be locked in place with protective P.T.O. shields in place.
- Keep hands, feet and clothing away from power driven parts.
- Never leave tractor controls unattended while the engine is running.
- Never allow riders on the machine at any time.
- Be sure the tractor operator is the only person riding on the tractor.
- Exercise extreme care when operating on rough and/or steep terrain. Avoid operation on terrain which is excessively rough or steep.
- Make sure your tractor P.T.O. speed never exceeds 1000 rpm.
- Always stand to the side of the loader when moving transport pins. **Never stand under the loader unless the pins are installed in the upper holes on both sides.** Never force pins out of position, when the loader is fully raised pins can be moved easily.

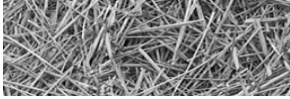
DURING SERVICE & MAINTENANCE

- Before working on or near the 2640 BALEBUSTER for any reason, including servicing, cleaning, unplugging or inspecting machine, use normal shut-down procedures unless instructed differently in this manual.
- Never work on or near 2640 BALEBUSTER unless engine is shut off and flails stopped.
- Check periodically and tighten any loose bolts or connections.
- Use only replacement parts that are recommended 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.
- 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.
- 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.



1.6 Towing/road transport

- Use good judgment and drive slowly over rough or uneven terrain.
- Be sure tractor brakes are properly adjusted and foot pedals are locked together.
- When preparing implement for transport, always use loader transport pins to secure bale loader in raised position. **Do not remove transport pins until hydraulic hoses have been charged and cylinder is fully extended.** Never force pins out of position, when the loader is fully raised pins can be moved easily.
- Check your state laws regarding the use of lights, slow moving vehicle signs, safety chain and other possible requirements.

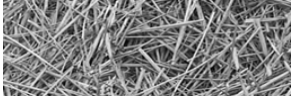


Section 2: Dealer preparation

2.1 Pre-delivery inspection

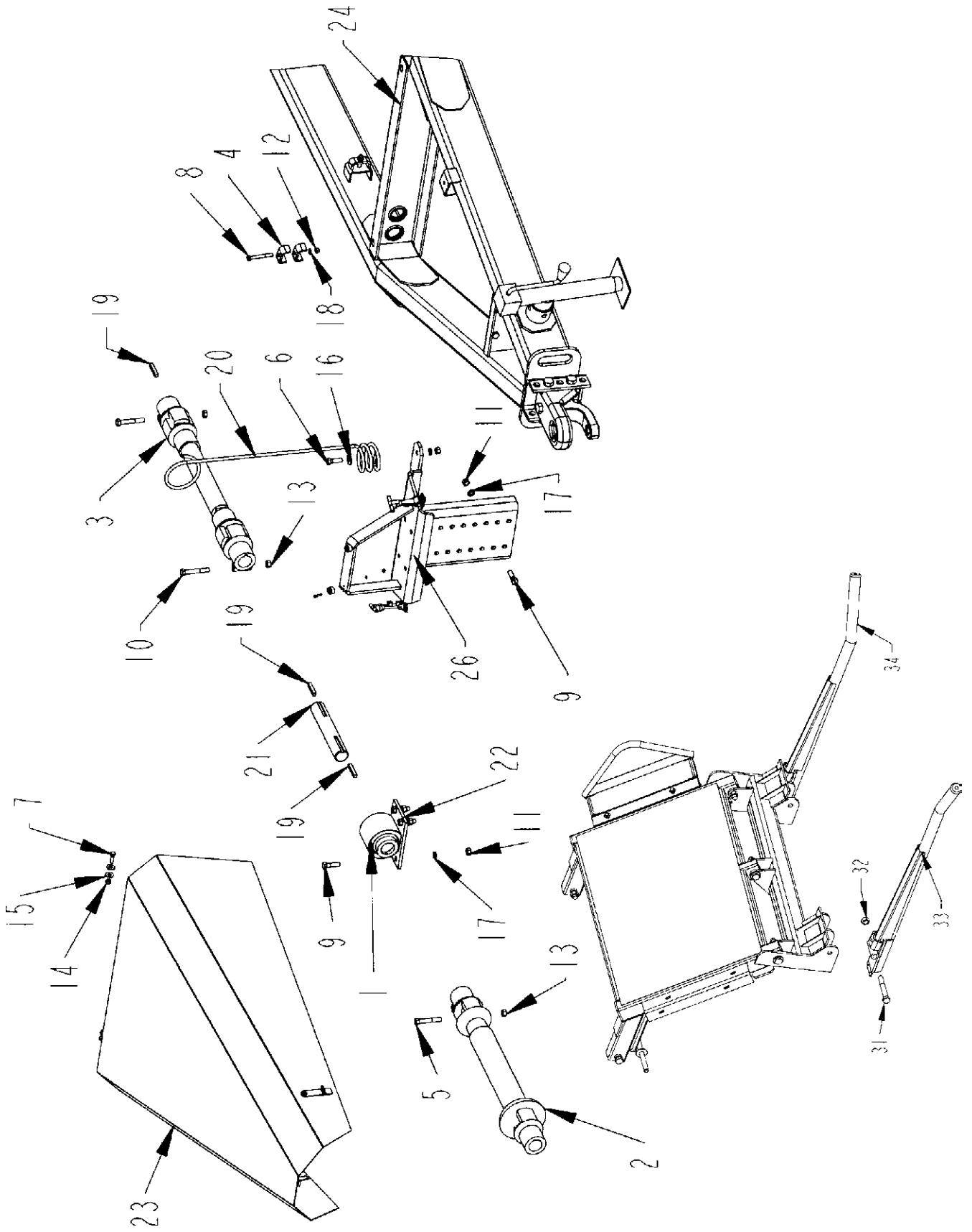
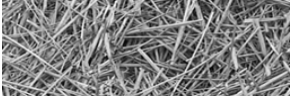
INSTRUCTIONS: Before delivering the machine, check the following items carefully and make corrections when necessary. Place an “X” in the box after each item has been checked and found to be acceptable.

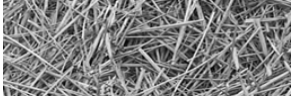
- Check for missing items or damage in transit.
- Check for loose bolts or set screws.
- Check all hydraulics components for leaks or damage.
- Check lug bolts for tightness.
- Check tires for proper air pressure.
- Check condition of tire rims.
- Check for proper lubrication.
- Check all chains for proper adjustment.
- Check all shields for installation and condition.
- Check condition of all decals.
- Check all phases of operation.
- Check for loose flail bolts, torque to 200 ft lbs.



2.2 Shipping list and illustration for SN 26BJ125240 and up

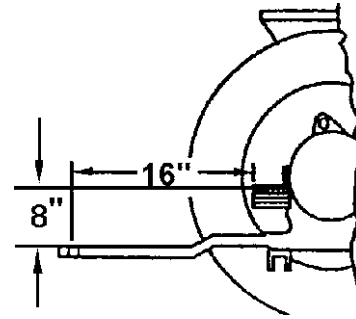
ITEM	PART	QTY.	PART DESCRIPTION
1	3600334	1	COMPLETE PTO 44R
2	3600339	1	JOINT\ASSY\55R\TELE\COMP
3	4700777	5	CLMP\HOSE\1/2
4	4800068	1	BOLT\HEX\1/2X3
5	4800082	1	BOLT\HEX\1/2X1-1/2
6	4800098	2	BOLT\HEX\3/8X1-1/4\NC
7	4800156	1	BOLT\HEX\3/8X3
8	4800178	8	BOLT\HEX\1/2X1-3/4
9	4800592	2	BOLT\HEX\1/2X3-1/4
10	4900001	9	NUT\HEX\1/2\NC
11	4900002	4	NUT\HEX\3/8\NC
12	4900014	3	NUT\TPLCK\1/2\NC
13	4900023	2	NUT\TPLCK\3/8\NC
14	5000001	4	WASH\FLAT\3/8
15	5000004	1	WASH\FLAT\1/2
16	5000006	9	WASH\LOCK\1/2
17	5000019	4	WASH\LOCK\3/8
18	6200020	3	KEY\SQ\3/8X2-1/4\HARDEND
19	7500170	1	HOSE MINDER
20	8100597	1	SHAFT\CONVERSION KIT\P.T.O. FRONT
21	8100846	1	MNT\BRG\ASSY\W-ECC
22	8100959	1	SHLD\PTO\ASSY\W-CATCH
23	8100990	1	MNFRM\2640
25	8101012	1	BRKT\BRG\ASSY\W-LTCH\2640
31	4800471	2	BOLT\HEX\1X7\NC
32	4900127	2	NUT\TPLCK\1\NC
33	8100769	1	TINE\LEFT\JJ
34	8100770	1	TINE\RIGHT\JJ





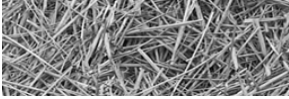
2.3 Assembly required

1. Adjust the 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 hole should be 16" (41 cm.), and the height for the top of the centerline of the P.T.O. should be 8" Refer to figure at right.
2. Hitch the 2640 BALEBUSTER to the tractor drawbar. Adjust the hitch so machine is parallel with ground.
3. The hitch pin should be sized to prevent excessive movement, and should extend through all components of the hitch. The pin should be secured with a hairpin clip or suitable device to prevent the loss of the pin.
4. Adjust the hitch so the machine will be parallel with the ground. Hitch the 2640 BALEBUSTER to the tractor drawbar.
5. Raise the jack, pull the lock pin and store in the transport position.
6. 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.
7. Extend the loader hydraulic cylinder and hold the loader in the fully raised position. Remove the loader transport pin and place them in the storage position, (the lowest hole in the bracket). Retract the loader hydraulic cylinder completely, so the loader is in the lowest position.



NOTE: Always stand to the side of the loader when moving the transport pins.

8. Mount tines #8100769 and #8100770 in the left mounting bracket, this is the standard position. For small bales, use the inner brackets, and for the large bales use the outer brackets. Bolt in place using (2) 1x7 bolts #4800471 and lock nuts #4900127. See illustrations on pages 22-23.
9. Loosely assemble Bearing Bracket #8101012, Bearing Mount #8100846, and shaft #8100597, with bolts #4800178. Center shaft #8100597 lengthwise in bearings and set lock collars.
10. Bolt Bearing Bracket (assembled in step # 9) to main frame so shaft #8100597 and tractor P.T.O. shaft are level. Tighten bolts #4800178. See illustration on pages 12-13.
11. Loosely assemble bearing, joints, and shafts. Slip shaft #3600339 and 3/8 hardened key #6200020 on rotor shaft on the machine and shaft #8100597. Tighten bolts holding bearing mount #8100846 to bracket, keeping shaft #8100597 in line with the hitch pin, and perpendicular to the front of the processor.

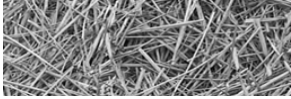


12. Slide ends of shaft #3600339 on shaft #8100597 and the existing rotor shaft so 3/8" of both shafts can be seen inside the yokes. Lock the setscrews in the yokes. Tighten bolts #4800592 and lock nut #4900014 on both U-Joints of shaft #3600339.
13. Mount P.T.O. shaft #3600077 and hardened key #6200020 on shaft #8100597 and lock set screws and tighten bolt #4800068 and nut #4900014.
14. Mount safety shield #8100959 above P.T.O. using, (2) 3/8x1-1/4 bolts, (4) Flat washer, (2) Lock Nuts.



NOTE: In the raised position the shield is held in place by the shields latch.

15. Attach the P.T.O. shaft to the tractor P.T.O. shaft. Depress coupling and slide the coupling onto the splined shaft. Make sure the spring loaded safety catch is properly seated.
16. Bolt hose minders to #4700777 to Main Frame use, (1) 3/8x3 bolts, lockwasher, nut.
17. Pull deflector and rack assembly out into operating position.
18. If required, install safety chain. Check local regulations regarding safety chain requirements.
19. Follow lubrication instructions found on pages 34-37 **before** use.
20. This machine is set up to operate on 1000 1-3/8" only!



Section 3: Operation

To insure long life and economical operation, we highly recommend the operator of the 2640 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.

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 2640 BALEBUSTER.

3.1 Pre-starting inspection instructions



WARNING: Before inspecting the machine, use the normal shut-down procedure on page 17.

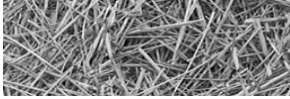
Check the following:

- Hydraulic components for leaks or damage.



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

- Lug nuts for tightness.
- Condition of tire rims.
- Tires for proper air pressure.
- Installation and condition of flails.
- Rotor for twine build-up.
- Chains and belts for proper tension, and condition.
- Installation and condition of shields.
- Installation of slow moving vehicle (SMV) sign if required.
- Condition of decals.
- Condition of flails and attachment bolts.



3.2 Normal shutdown 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 2640 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.

- a. Disengage P.T.O..
- 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.

3.3 Adjustments

3.3.1 Hitch Adjustment

The hitch is adjustable so that the machine is parallel to the ground when attached to the tractor drawbar. This is accomplished by removing the two mounting bolts and reinstalling them with the hitch at the proper height. The distance from the end of the P.T.O. shaft on the tractor to the center of the drawbar hitch pin hole should be 16" (41 cm.), and the height from the top of the drawbar to the centerline of the P.T.O. should be 8". Refer to page 27.

The hitch pin should be of proper size to prevent movement and length to extend through all components of the hitch. The pin should be secured with a hairpin clip or suitable device to prevent the loss of the pin.



3.3.2 P.T.O. Shield



WARNING: Before lifting the P.T.O. shield be sure and follow the normal shut down procedure. Be certain that the tractor is shut off and all rotating components of the machine have come to a complete stop before lifting shield. Loose clothing is discouraged, and long hair should be restrained whenever working on P.T.O. shafts.

To raise the P.T.O. shield, unhook the hold-down straps near the front of the shield and lift the shield. It should pivot freely. If it does not pivot freely look for build up of debris or other obstructions at the pivot point. Do not force the shield, as damage to the shield may occur. Once the shield is in the upright position it should automatically lock in the upright position.

To lower the shield, pull the locking pin to release the shield and lower it into working position. Once the shield is lowered hook the hold-down straps.

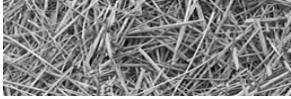
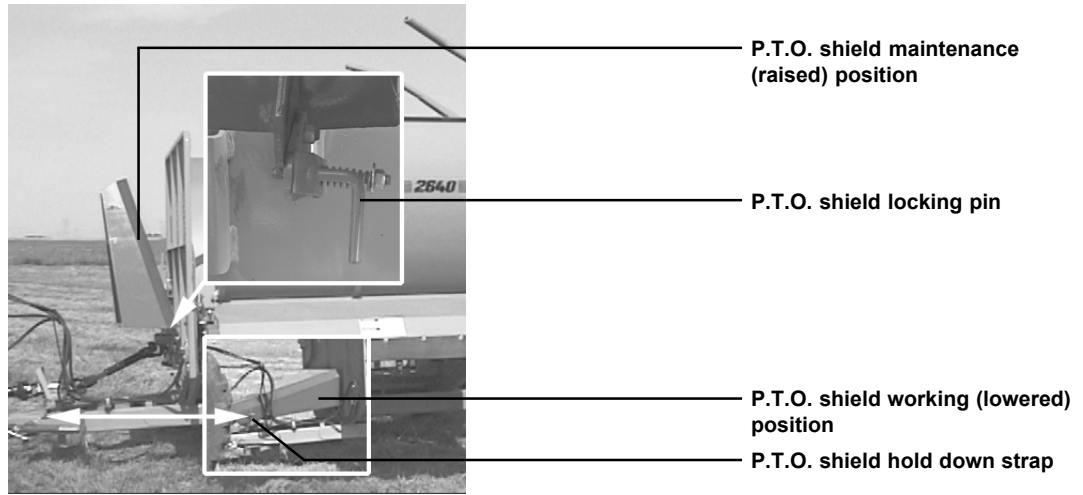


figure 3.1
P.T.O. shield, working
(lowered) position,
maintenance (raised)
position, latch and lock



3.3.3 Conveyor Speed Control

Moving the lever on the conveyor speed control valve 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 (clockwise rotation). Conveyor speed can then be controlled directly from the tractor controls.

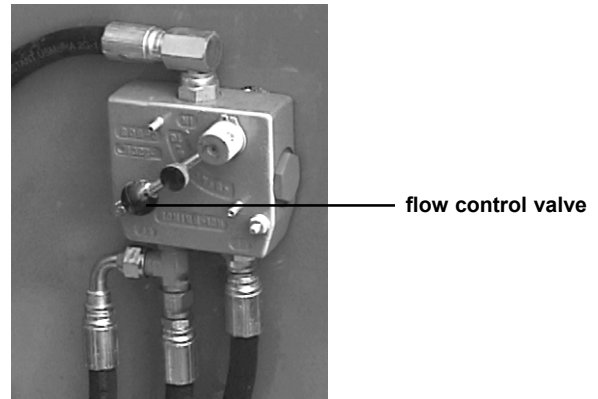
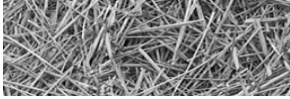


figure 3.2
position of the flow
control valve

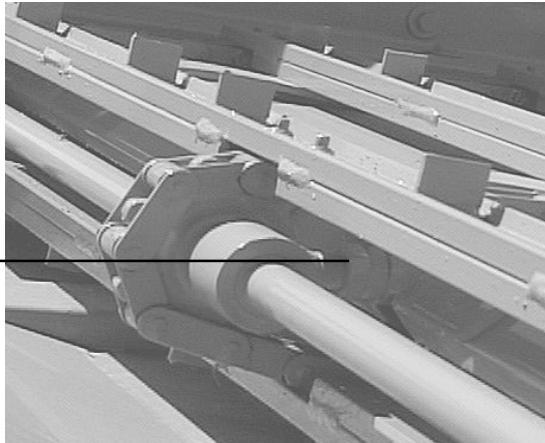




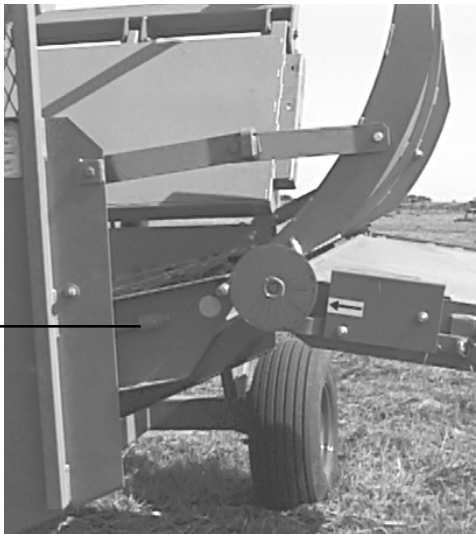
3.3.4 Conveyor Chain Adjustment

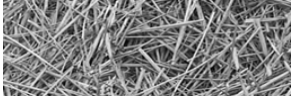
The three chain tensioning bolts should be adjusted to allow lifting the slats 1" to 1-1/2" above conveyor deck. These bolts are located, on the front of the conveyor, at the center, and on the rear. Bolts must be adjusted evenly.

center conveyor
chain adjustment bolt



left conveyor chain
adjustment bolt





3.3.5 Slugbar Adjustment

Exposing, less flail will create a finer cut and use less horsepower, while exposing more flail will produce a coarser cut.

This is accomplished by rotating the slugbar adjustment handle. Rotating the handle clockwise will expose more flail, counterclockwise will expose less flail. To rotate the handle, squeeze the lever to release the lock and rotate the handle to the desired position, and release the lever. Be sure that the lever is seated in one of the adjustment slots to ensure that slugbars stay properly adjusted.

With the handle rotated fully counterclockwise the will expose the least amount of flail (position 1).

Position	Approx. Flail Exposed
1	3/4"
2	7/8"
3	1-1/8"
4	1- 1/4"
5	1-3/8"

Positions 1 through 3 are for grinding hay. Positions 4 and-5 should only be used when spreading Dry Straw. (**DO NOT**, use positions 4 and 5 if material is wet, has high moisture content or is frozen.)



P.T.O. Shield

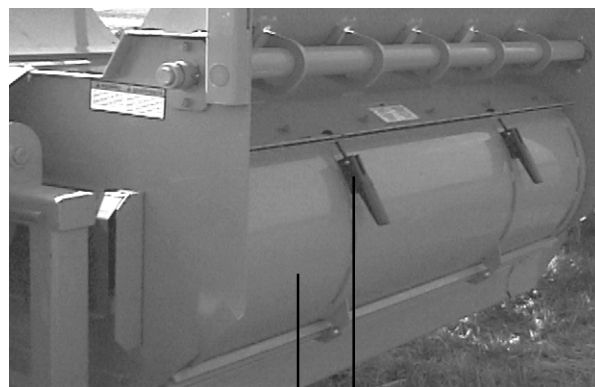
3.3.6 Clean Out Door



WARNING: Before opening the clean out door, be sure and follow the normal shut down procedure. Be certain that the tractor is shut off and all rotating components of the machine have come to a complete stop before opening clean out door.

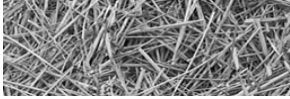
The clean out door allows for easy access to the rotor for flail changes and twine removal. To open the door remove the lynch pins and release the latches. Lift the latch hooks and open the door.

To close the door, hook the latch hooks and close the handles. This should draw the door in tight. If the door is loose or can not be closed, check for obstructions. Hooks can be adjusted by screwing them in or out of the latch. Once the door is closed, replace the lynch pins.



clean out door in the closed position

clean out door latch



3.3.7 Flails

Flails must to be free to rotate about the bushings on the rotor. The bushings must not rotate. The bushings are held secure by tightening the bolts which squeeze the tabs against the bushing. The bolts must be torqued to 180 ft.-lbs. If using the optional heavy flails, bolts should be torqued to 200 ft.-lbs.

flail tightening bolt

rotor

flail

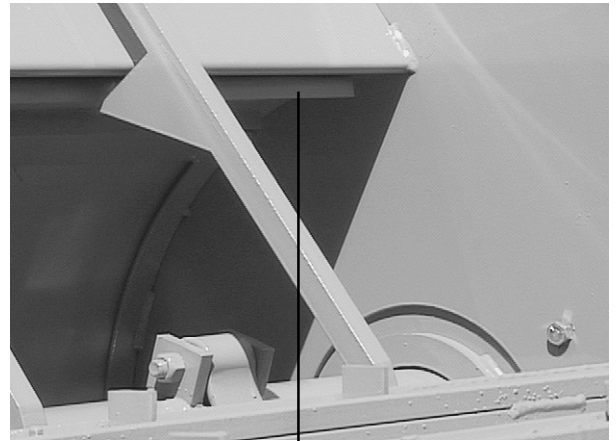


3.3.8 Stripper Plate

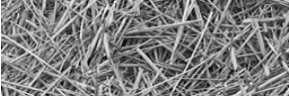
Adding a stripper plate will produce a finer cut and removing plates will produce a courser cut.

For a finer cut, one or two additional stripper plates can be added. See pages 106-107 “Stripper Bar Installation” for installation information.

In applications such as land reclamation, where a very course cut is desired, all stripper plates may be removed.



stripper plate

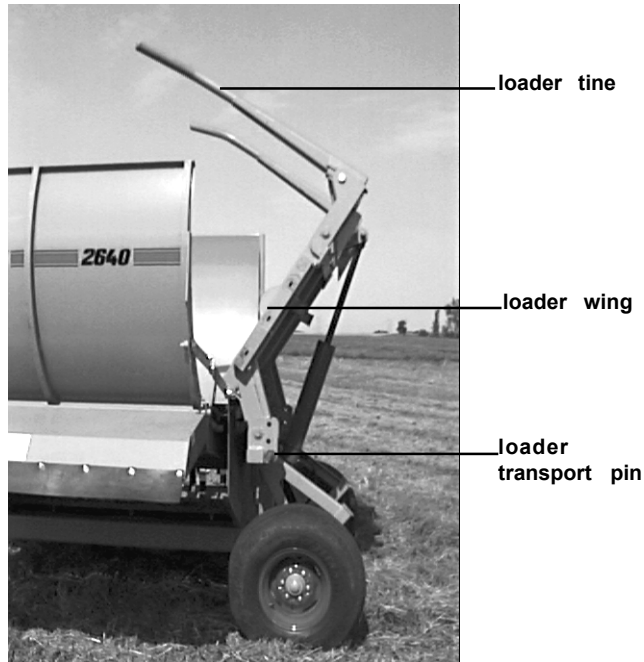


3.3.9 Loader

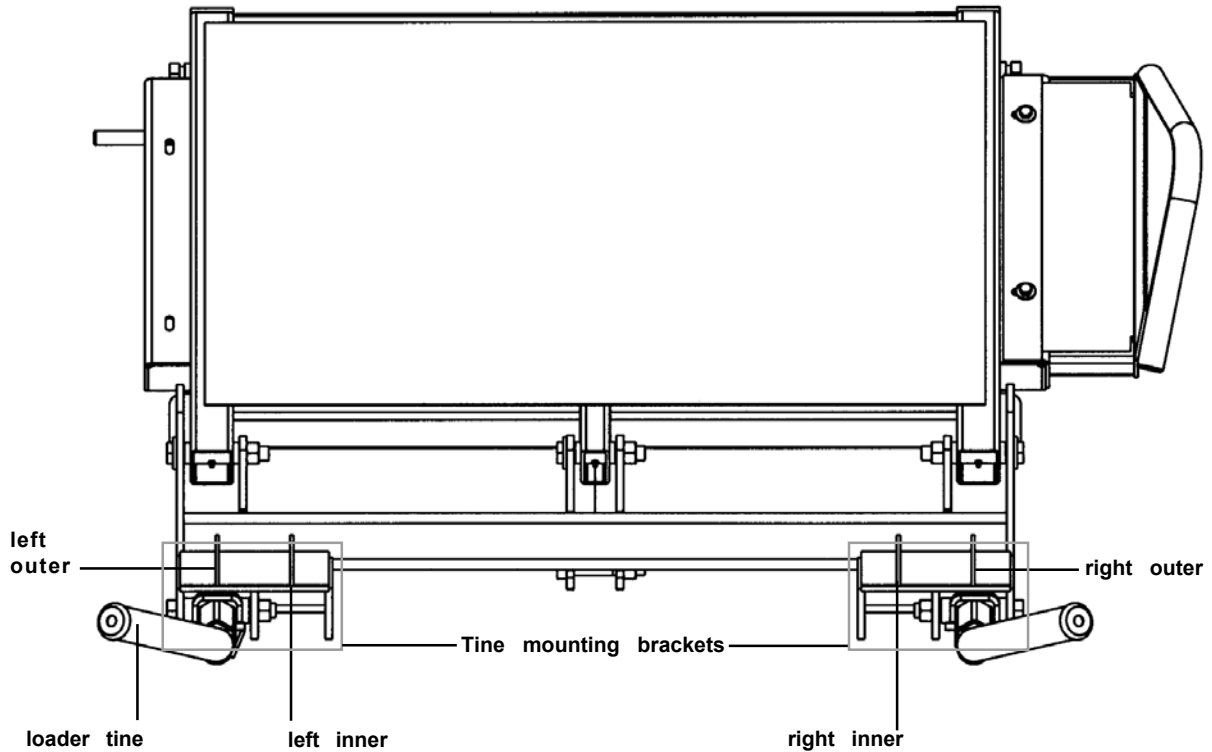
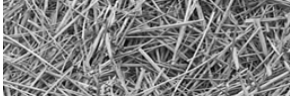


WARNING: Loader tines may swing down unexpectedly as they drop over center. They can move faster than you can react. Keep all bystanders away from the machine while loader is raised.

figure 3.4
Loader Tines



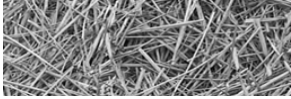
1. The loader has three settings for different size bales. For bales approximately 72" in diameter mount the loader tines in the outermost position. 60" bales require the loader tines to be positioned in the left outer slot and the right inner slot (left and right are determined while facing in the direction of travel). 48" bales require the tines to be positioned in the inner mounting slots (see page 23)
2. 48" bales use left inner and right inner mounting slots.
60" bales use left outer and right inner mounting slots (standard).
72" bales use left outer and right outer mounting slots.



3. These settings are accomplished by removing the pivot bolts and removing the tine. After the tine is reinstalled in the proper position, reinstall the pivot bolt and tighten. Be sure the bolt threads protrude through the entire nut so that the locking nut functions properly. Do not over tighten the pivot bolt, the tine should rotate freely about the pivot bolt.
4. The loader tines should pivot freely as the loader is raised and lowered. If the loader tines don't swing down into the loading position the bale will not load properly. With the loader fully raised the loader tines should swing down.



CAUTION: Watch for overhead hazards such as power lines.



3.3.10 Loader Wing

The loader wing is designed to seal the shredding chamber, to prevent hay loss out of the back of the machine. The wing should be set at approximately 60° to the face of the bale loader. With the loader in the fully raised position the wing should be adjusted within 1/2" of the shedder frame, but should not touch the frame.

3.3.11 Loader Transport Pin



WARNING: Never stand under loader when removing transport pins. Do not attempt to force pins out, with the loader fully raised they can be easily removed.

The loader transport pins can be inserted into three positions:

1. Upper hole: Holds the loader in the fully raised position for transport.
2. Middle hole: Holds the loader partly raised. This improves rear visibility and reduces wind drag during transportation
3. Lowest hole: Holds the loader in storage position.



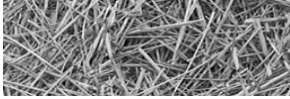
loader transport pin in storage position

3.3.12 Hydraulic Cylinder and Valve

All cylinder and valve hose connections should be tight and leak free. If the area near a hose connection becomes oily or dirty repairs should be made to seal the leak. Hoses should be free of cracks or cuts to ensure safe operation. Cylinder seal kits are available from your dealer to repair a leaky cylinder. Pin connections should be free of excessive wear. If pins become worn they should be replaced. Also check yokes and mounts for cracks and wear.



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 qualified medical attention immediately to prevent serious infection or reaction.



3.3.13 Tires, Rims and Hubs

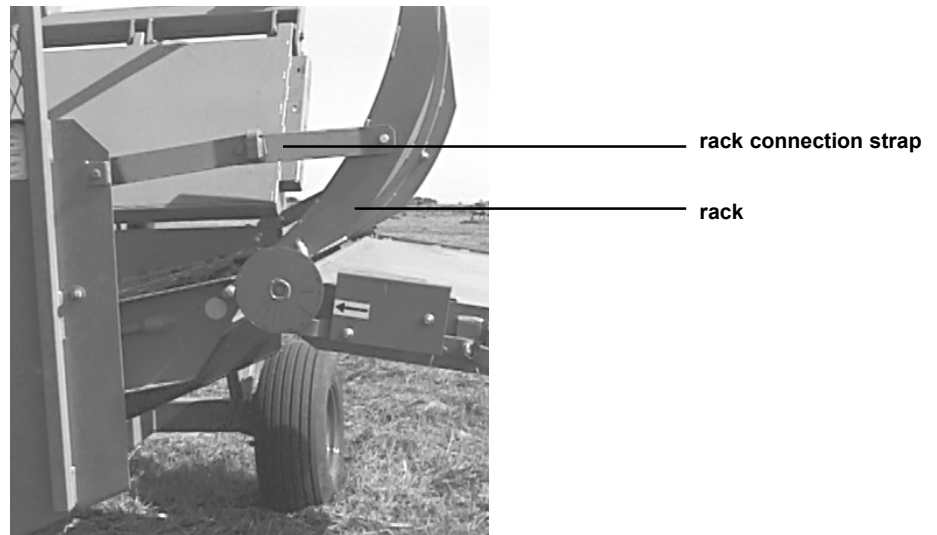
Tires should be inflated to 40 PSI and should be free of cuts or cracks. There should also be adequate tread and no visible cords, wires or tread separation. Tires must also be of proper load rating, speed rating and size.

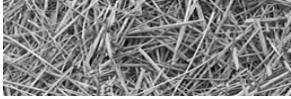
Rims must be free of cracks and rust pitting. Lug bolts must also be tight. Inspect the area around the lug bolts. If rust develops this is a sign of loose lug bolts. Check wheel bearings and seals, replace and grease as use requires.

3.3.14 Rack

The rack has two positions: transport and working. The rack should travel between the two positions freely under the operator's own power. All pivoting connections should be snug, but still allow the points to hinge freely. Inspect for cracked or excessively worn holes at the connections. The rack connection straps are designed to be self-folding and should not drop over center. If the straps become bent or do not function properly they should be replaced.

figure 3.5
rack in the working
position, rack
connection straps



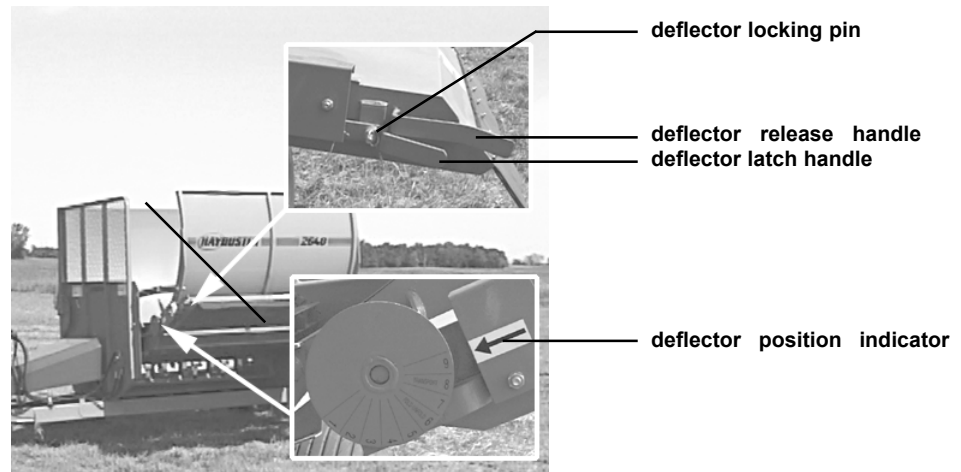


3.3.15 Deflector Adjustments

The deflector can be positioned for creating a windrow, spreading, bunkfeeding, or stockpiling. Lower the deflector for a narrower windrow and raise the deflector for a wider spread.

To change the position, remove the locking pin and firmly grab the deflector latch handle and lift the release lever with the other hand. Rotate the deflector to the desired position and release the handle. Reinstall the locking pin. Handle tension can be adjusted by removing the deflector shield and adjusting the spring tension bolt. Reinstall the shield after tension is adjusted. A wider deflector belt (PN 8100819) is available for bunk feeding or additional material control.

figure 3.6
deflector adjustments -
locking pin, deflector
position indicator,
deflector latch handle
and deflector release
handle



3.3.16 Jack

An adjustable jack is provided with the machine to support the hitch when the machine is disconnected from the tractor. The jack must only be used on firm, level ground or similar base to prevent it from sinking,

When unhooking the machine remove the jack pin and rotate the jack to the upright position and reinstall the pin. Crank the jack until the hitch is no longer supported by the drawbar of the tractor. The hitch pin can now be removed.



WARNING: Never use the jack without reinstalling the jack pin.

When hooking up the machine, install a proper hitch pin and secure it with a hairpin clip or comparable device, crank the jack until the foot of the jack is fully raised. Remove the jack pin and rotate the jack so that the foot of the jack is to the rear of the machine. Reinstall the jack pin.

3.4 Hitching the 2640 BALEBUSTER



WARNING: Do not operate the 2640 BALEBUSTER unless the tractor complies with the following requirements:

1. Tractor has a minimum of 65 horsepower.
2. Tractor has rollover protective structure and seatbelts.
3. Tractor's hydraulic system has two-way valves, and a minimum flow of 12 GPM @ 1500 psi.
4. To assure adequate braking and steering control, the tractor must have a weight greater than or equal to the weight of the 2640 BALEBUSTER and any bales it will transport.

To hitch the 2640 BALEBUSTER to a tractor, perform the following steps:

1. Adjust the 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 hole should be 16" (41 cm.), and the height for the top of the centerline of the P.T.O. should be 8" Refer to Figure 3.7
2. Hitch the 2640 BALEBUSTER to the tractor drawbar. Adjust the hitch so machine is parallel with ground.
3. The hitch pin should be sized to prevent excessive movement, and should extend through all components of the hitch. The pin should be secured with a hairpin clip or suitable device to prevent the loss of the pin.
4. Raise the jack. Pull the lock pin and store in the transport position.
5. Attach the P.T.O. shaft to the tractor P.T.O. shaft. Depress coupling and slide the coupling onto the splined shaft. Make sure the spring loaded safety catch is properly seated.
6. This machine is set up to operate on 1000 rpm only!
7. If required, install the safety chain. Check local regulations regarding safety chain requirements.
8. 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.
9. If equipped with optional grain tank, connect the two hydraulic hoses from the grain tank to the third set of hydraulic couplers on the tractor.

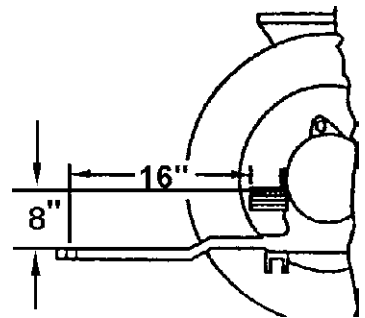
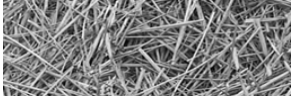


figure 3.7
safe P.T.O. distance



3.5 Unhitching the 2640 BALEBUSTER

To unhitch the 2640 BALEBUSTER, perform the following steps:

1. Follow normal shut-down procedure.
2. Lower jack and secure. Raise the tongue off of the tractor draw bar.
3. Detach the P.T.O. 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.

3.6 Starting the machine



DANGER: 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 the 2640 BALEBUSTER before engaging P.T.O., conveyor or loader. Flying objects can cause serious injury or 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 or death.

To start the machine, perform the following steps:

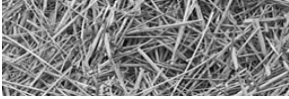
1. Unfold the rack into working position. Adjust the deflector to desired position.
2. Steps 3 through 5 are performed with the tractor at idle, and the operator at the tractors controls.
3. Engage the conveyor. Run the conveyor in forward and then in reverse. Check to be sure the conveyor is working properly before attempting to shread a bale.
4. Raise the loader, and remove transport pins.



CAUTION: Look out for overhead hazards such as power lines.



WARNING: Never stand under loader when removing transport pins. Do not attempt to force pins out, with the loader fully raised they can be easily removed.

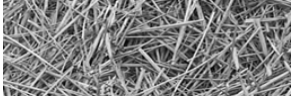


5. Engage the P.T.O..



CAUTION: Engaging the P.T.O. with the tractor engine speed above an idle may damage the drive line components and the tractor P.T.O..

6. Increase tractor engine speed until the P.T.O. speed reaches 1000 RPM. Listen for noise and watch for vibration. If necessary, follow the shut down procedure, and make repairs before attempting to shred any bales.
7. Run the machine and cycle the loader to warm up the machine before shredding bales.



3.7 Loading the bale

The bale conveyor must not be running when a bale is lifted into the shredding chamber. (*step3-5*), dropping bales on to the moving conveyor slats may bend slats.



DANGER: If it is necessary to transport a second bale over uneven terrain, make sure any bystanders are away from the 2640 BALEBUSTER. Serious injury or death could result if the bale rolls off the loader main frame loader supports.

STEP 1: Lower the bale loader part way down so you can still see the end of the tine fork. Use the fork as a guide and back up to the first bale, with the bale loader in its lowest position, back up until the bale is loaded on the main frame loader supports

STEP 2: Slowly lift bale, until the flat end is firmly against the table. If you need to travel to the second bale, transport with the bale loader on the main frame supports, use the bale as a guide to line up the second bale.

STEP 3-5: Slowly lift bale into the shredding chamber. Continue lifting the bale loader until it stops. The correct position for shedding a single bale will help prevent spillage.

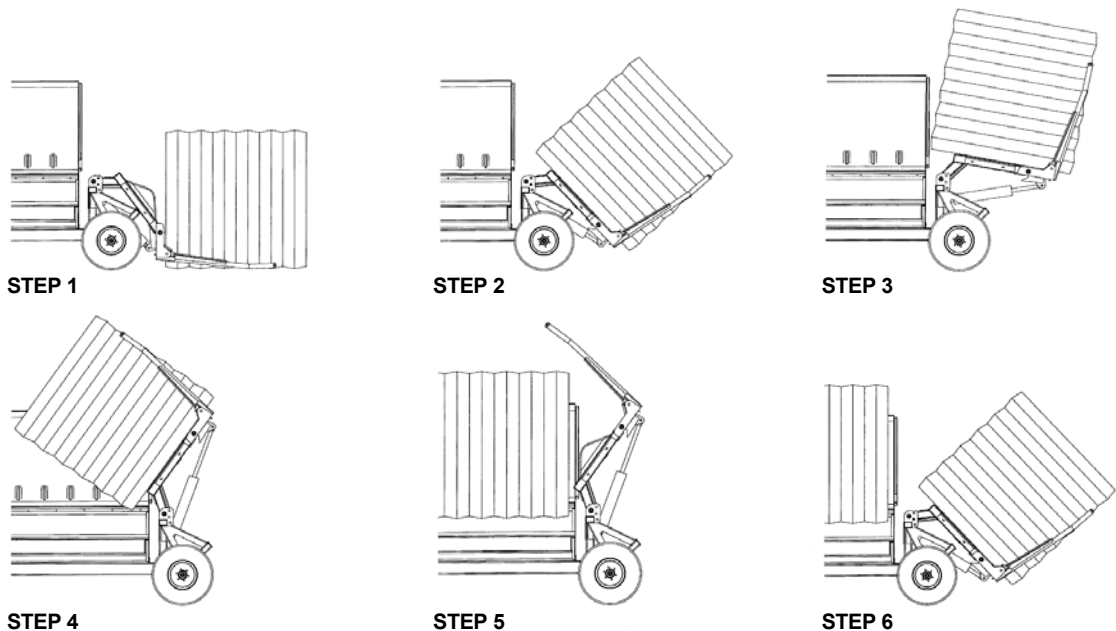


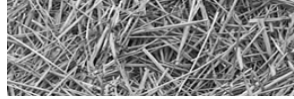
NOTE: If bale does not rotate forward the twine may be over the tine. Cut the twine at this time to prevent damage to the machine.

STEP 6: Load a second bale (if the first bale is on the main frame loader supports, use the bale as a guide to line up on the second bale). (If the first bale is in the shredding chamber use the conveyor and move the bale to the left so you can look past it on the right side). Back trailer until bale is loaded on the main frame loader supports. Slowly lift the bale off the ground keeping the weight of the bale on the main frame loader supports. This is the transport position for the second bale.

STEP 7: After the first bale is shredded, repeat steps, 3-5, loading and shredding the bale.

figure 3.8
loading the bale





3.8 Shredding the bale



CAUTION: Avoid uneven terrain with bale loaded. Serious injury could result if machine is allowed to tip.



NOTE: Operating tractor at a P.T.O. speed of 1000 RPM enables the 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.

NOTE: 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.

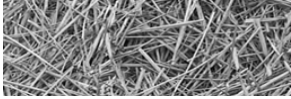


DANGER: If it is necessary to transport a second bale over uneven terrain, make sure any bystanders are away from the 2640 BALEBUSTER. Serious injury or death could result if the bale rolls off the main frame loader supports.

With a bale loaded into the shredding chamber, perform the following steps:

1. If necessary, adjust the deflector to the desired position.
2. Position the 2640 BALEBUSTER where you want to begin shredding the bale.
3. Engage the conveyor and move the bale to the left side of the machine. This will move the bale away from the rotor for startup.
4. Machine's 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.
5. Engage the P.T.O., and increase tractor engine speed so that P.T.O. is at 1000 RPM.
6. Engage the bale conveyor, and check to see if bale is rotating in the proper direction. The proper direction of bale rotation is indicated by the bale rotation decal located on the front of the 2640 BALEBUSTER.





3.9 Twine Removal

To remove twine from the rotor open clean out door - refer to section 3.3.6. Using a hacksaw with a fine tooth blade is one method of cutting the twine and works with all types of twine.

figure 3.9
removing twine from the
rotor with a fine tooth
hacksaw



3.10 Transporting the 2640 BALEBUSTER

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



DANGER: Do not remove transport pins until the hydraulic hoses have been charged and the cylinder fully extended. Failure to follow these instructions may result in severe personal injury or death.



WARNING: Never stand under loader when removing transport pins. Do not attempt to force pins out, with the loader fully raised they can be easily removed.

To prepare the 2640 BALEBUSTER for transport, perform the following steps:

1. Raise the loader and move the loader transport pins to the desired position. (Fully raised, partially raised) See section 3.3.11 “Loader Transport Pin adjustment” for more information.
2. Release the hydraulic pressure and lower the loader until it rests on the pins.
3. Pivot the deflector into the tub to insure eight feet four inches (8’4”) towing width.

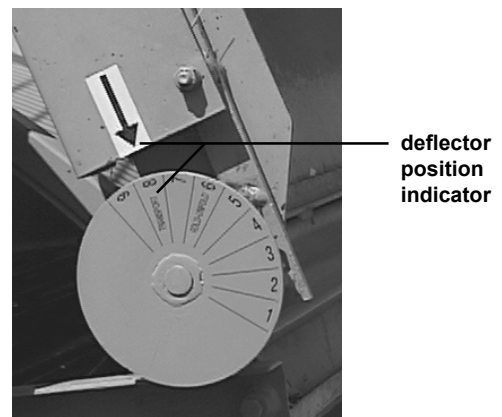


figure 3.10
deflector in the transport position



3.11 Storing the 2640 BALEBUSTER



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

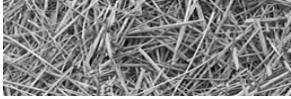
To prepare the 2640 BALEBUSTER for storage, perform the following steps:

1. 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 2640 BALEBUSTER with a high pressure washer, keep the nozzle away from the sealed bearings. To inhibit rusting repaint places where bare metal is exposed.
2. If equipped with the optional grain tank, clean out the tank and auger.
3. Place the jackstand in the down and in locked position. Block the rear axle up taking the weight off the tires, but do not deflate 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.
4. Coat exposed lift cylinder rod with grease. Oil chains on conveyor. Lubricate thoroughly according to lubrication instructions. Repack wheel bearings.
5. 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.

3.12 Removing the 2640 BALEBUSTER from storage

To remove the 2640 BALEBUSTER from storage, perform the following steps:

1. Remove all protective coverings.
2. Remove blocking from under 2640 BALEBUSTER. 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 4: 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 17) before lubricating machine.

4.1 Lubrication

Use only a high quality, #2 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 19 points to lubricate with grease gun every fifteen (15) hours of operating time.

1. Rotor bearings - 2 places.
 2. P.T.O. universal joints - 4 places.
 3. Telescoping shafts - 2 places.
 4. Pivot points on loader frame - 5 places
 5. Bearings on slugbar adjustment - 2 places.
 6. Bale conveyor - 2 places
 7. Deflector pivot - 2 places
 8. Wheel bearings - Replace annually
-
- A. As many as seven (7) pumps of grease are required to purge all cross and bearing lube points with fresh grease.
 - B. 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.
 - C. 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.

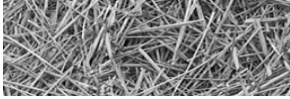
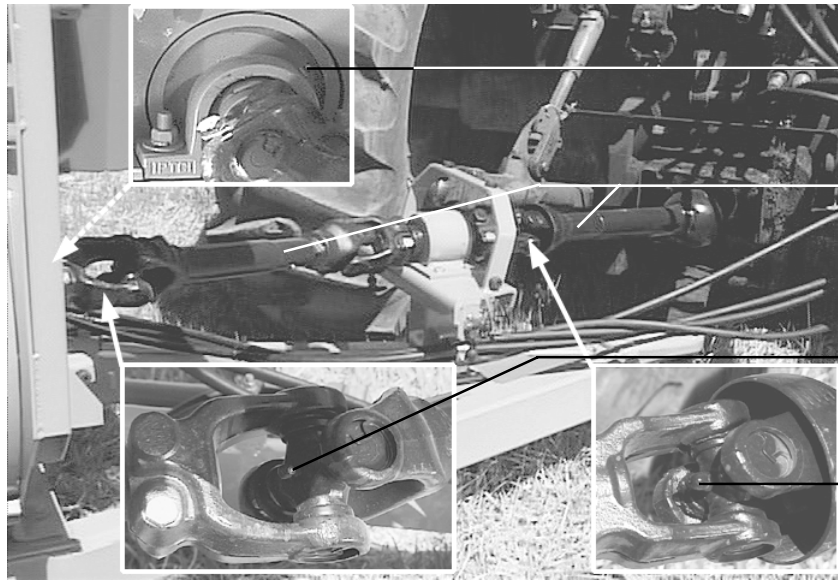
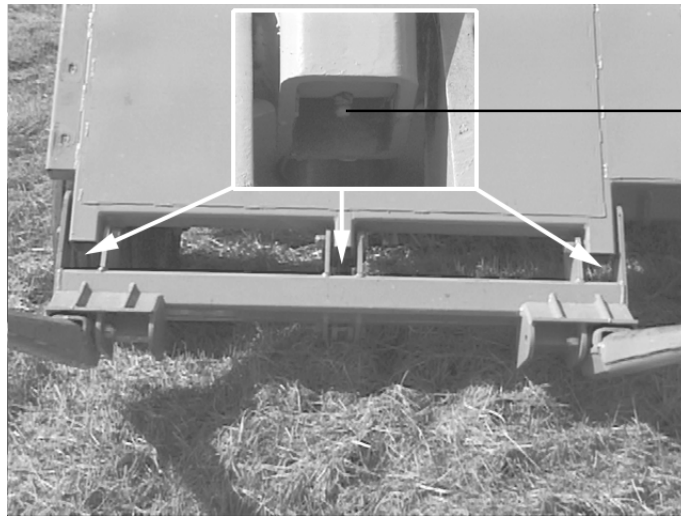


figure 4.1
P.T.O. lubrication



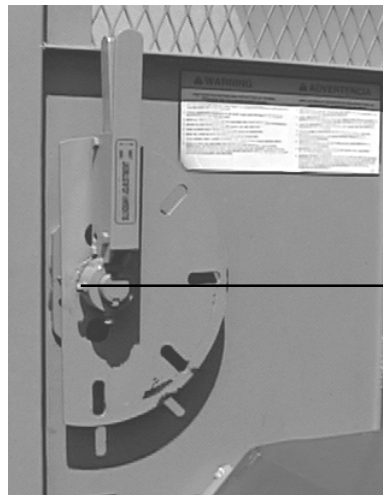
- rotor bearing
lubrication point 1 of 2
(ref. 1)
- telescoping shafts
(ref. 3)
- P.T.O. universal joint
lubrication point 1 of 4
(ref. 2)
- P.T.O. universal joint
lubrication point 2 of 4
(ref. 2)

figure 4.2
Loader Frame
lubrication points



- loader frame pivot
lubrication points
3 of 3
(ref. 4)

figure 4.3
slugbar adjustment
bearing lubrication point



- slug bar adjustment
bearing lubrication
point 1 of 2
(ref. 5)

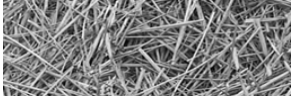


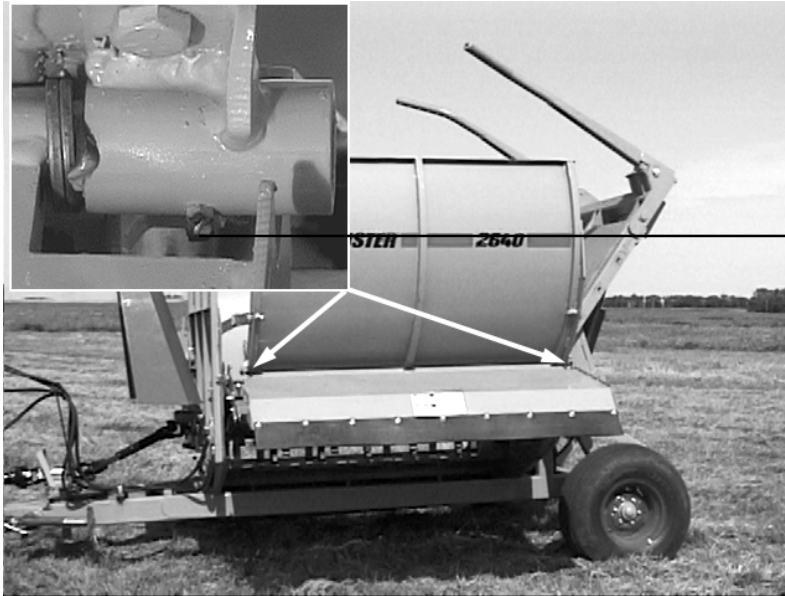
figure 4.4
slugbar adjustment
bearing and rotor bearing
lubrication points



slug bar adjustment
bearing lubrication
point 2 of 2
(ref. 5)

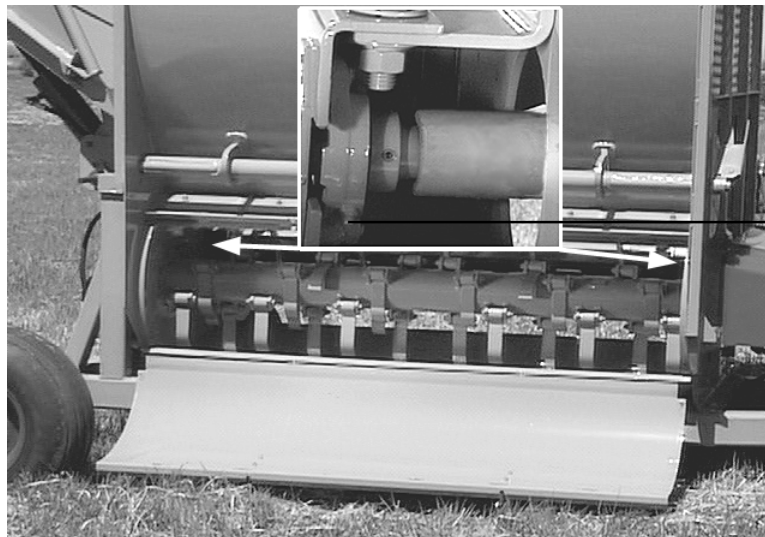
rotor bearing
lubrication point 2 of 2
(ref. 1)

figure 4.5
deflector pivot
lubrications points



deflector pivot
lubrications points 2 of 2
(ref. 7)

figure 4.6
bale conveyor bearing
lubrication point



bale conveyor bearing
lubrication points 2 of 2
(ref. 6)

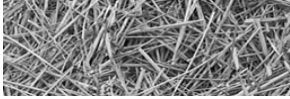
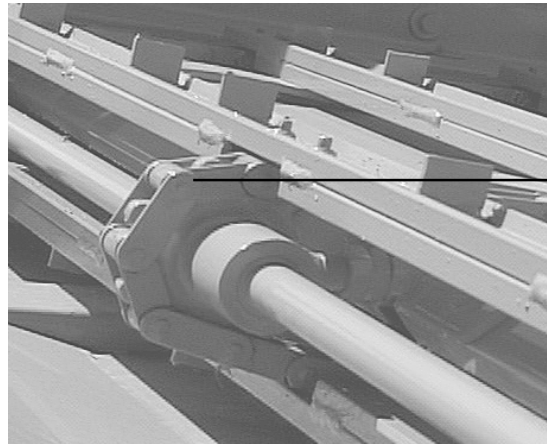


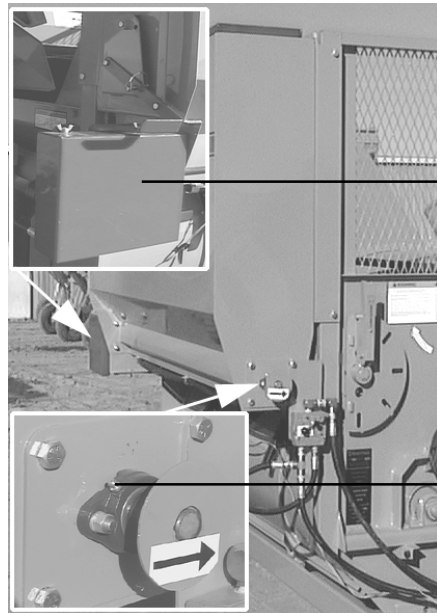
figure 4.6
roller chain lubrication



roller chain lubrication

4.2 Grain tank (Option)

Lubricate the auger drive chain and auger bearings after every 15 hours of use.

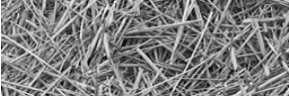


auger drive chain and lubrication zerk access panel and shield

auger drive bearing lubrication zerk

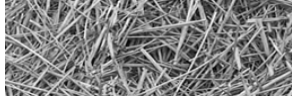
4.3 General appearance

Clean all mud, dirt, grease and other foreign material from the exterior of the machine. Cut all twine off the rotor. Wash the entire machine. If washing the 2640 BALEBUSTER with a high-pressure washer, keep the nozzle away from the sealed bearings. Repaint places where bare metal is exposed.



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	1. Build up of twine on rotor. 2. Broken Flail. 3. Defective cylinder bearing. 4. Misaligned or worn PTO	1. Remove all twine from rotor 2. Replace Flail. 3. Replace Bearing. 4. Replace worn part or complete PTO.
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. Stripper plate removed.	1. Decrease conveyor speed. 2. Raise slug bar to expose less flail. 3. Replace or add additional stripper plate.
6. Forage Too Fine	1. Conveyor speed too slow. 2. Slug bar set too high. 3. Extra stripper plate installed.	1. Increase conveyor speed. 2. Lower slug bar to expose more flail. 3. Remove one or all stripper plates.
7. Forage Blows Past Bunk When Bunk Feeding	1. Deflector too high.	1. Lower Deflector. 2. Add optional 18" deflector belting #8100815



Section 6: 2640 Balebuster Options

6.1 Grain tank Operation (Option)



WARNING: DO NOT climb into hopper, you could become trapped or injured by rotating augers. Before operating the “Grain tank” make sure all shields are in place.

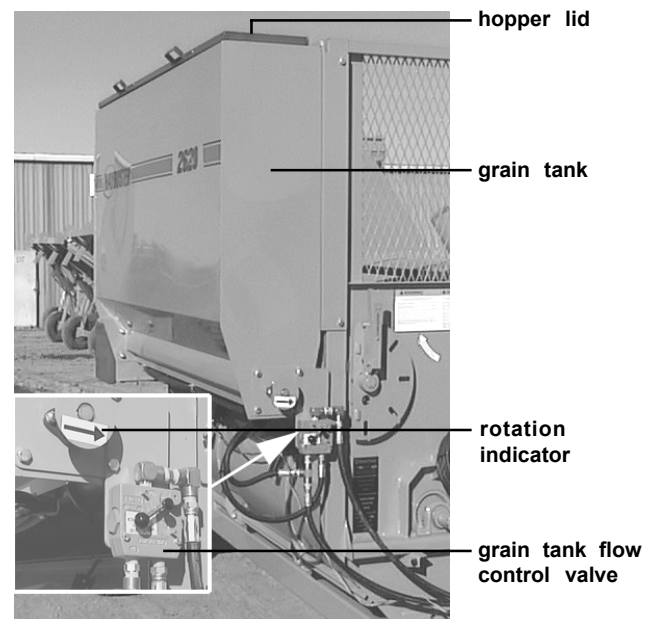
The grain tank is used for top-dressing feed supplements or can be use independently for supplement feeding.

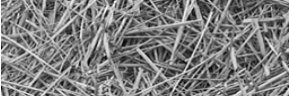
Hookup and Operation

Attach the hydraulic hoses to the tractor. Before filling the hopper with supplement, operate the augers to ensure that they rotate in the proper direction. There is an indicator arrow located on auger shaft at the front of the machine to show proper rotation and to serve as a visual indicator, that the hopper is in operation.

Follow the calibration procedure in this section, before feeding any supplement to ensure a proper feed ration.

The hopper should be filled using an auger. The hopper can also be filled manually, but from an elevated platform or other suitable structure.



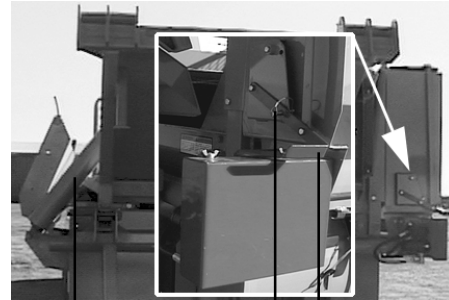


WARNING: DO NOT attempt to fill hopper by climbing on the machine.

The hopper lid can be opened and closed easily from the ground. Remove the locking pin and raise the lid opener handle and pin in the upright position. To close the lid, reverse the procedure and lock in the closed position to prevent damage to the lid.

The auger extension tube lowers and raises in and out of operating position automatically when the rack is folded and unfolded.

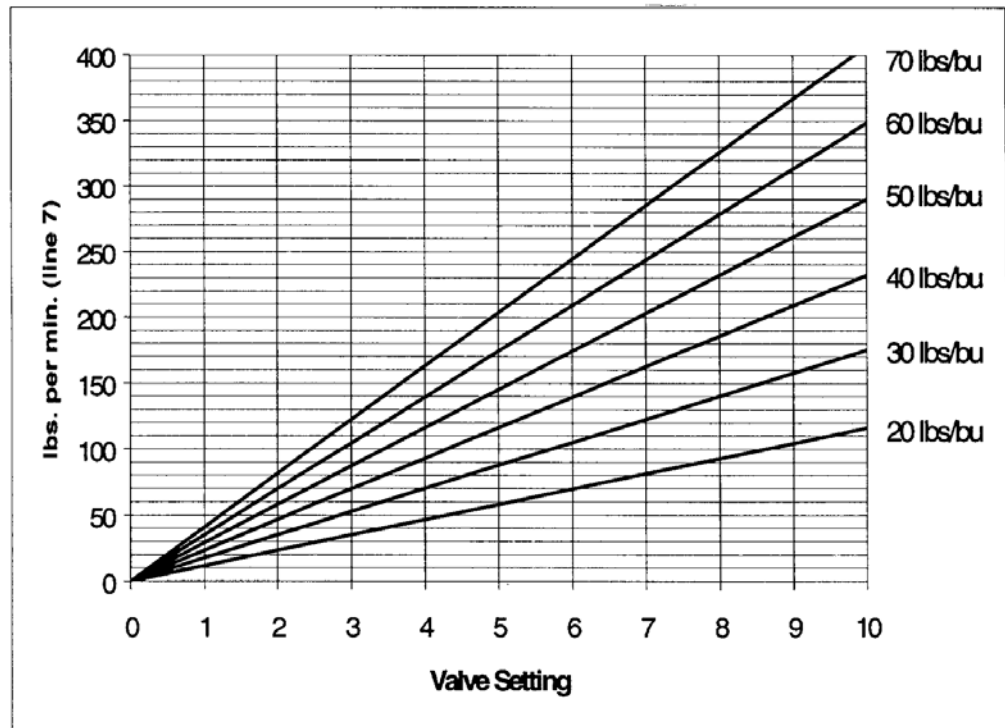
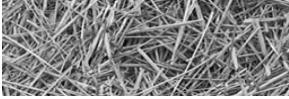
The supplement may become lodged or compacted if left in hopper for extended periods of time. This may cause damage to the augers. Clean out the hopper and auger tubes before machine is put into storage. A removable clean-out plate is provided under the auger junction.



auger tube extension lock pin lid opener handle

6.2 Grain tank (Option) Calibration Procedure

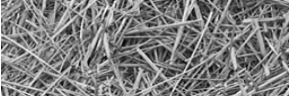
- Step 1.** Acquire the following information needed to fill out the calibration worksheet.
- A. The amount of hay (lbs.) that you feed per animal at each feeding time.
 - B. The amount of feed supplement (lbs.) that you feed per animal at each feeding time.
 - C. The average weight (lbs.) of the bales that are to be supplemented.
 - D. The average time (min.) required to process a bale that is to be supplemented.
 - E. The density (lbs. per bushel) of the feed supplement.
- Step 2.** Input the above information into the calibration worksheet (page 44) and calculate the “Required Hopper Feed Rate” to obtain the desired supplement to feed ratio.
- Step 3.** With the bale processor properly attached to the tractor operate the hopper making sure that both augers operate properly. While feeding and calibrating, the auger must rotate in the direction indicated by the arrow on the indicator wheel located at the front of the hopper.
- Step 4.** Using line 7 from worksheet set the flow valve at the baseline setting using the chart on facing page.*
- Step 5.** Fill the hopper with the feed supplement.
- Step 6.** With the tractor running at operating speed, operate the augers and collect the supplement, measuring the time required to fill a container. Adjust the flow valve up or down until the desired rate is obtained.



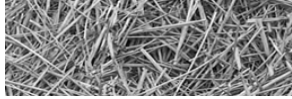
* This chart is for a baseline setting only and should not be considered accurate because of variances in tractor hydraulic flows and pressures. The hopper must be recalibrated if the tractor is changed.

Haybuster Grain Hopper Calibration Worksheet

		Example
Line Feed Ratio Per Animal		
1	Hay _____ (lbs.)	40 (lbs.)
2	Feed Supplement _____ (lbs.)	5 (lbs.)
3	Line 1 divided by Line 2 _____	8
Bale Processing Rate		
4	Bale Weight _____ (lbs.)	1200 (lbs.)
5	Process Time _____ (min.)	4 (min.)
6	Line 4 divided by Line 5 _____ (lbs./min.)	300 (lbs./min.)
Required Hopper Feed Rate		
7	Line 6 divided by Line 3 _____ (lbs./min.)	37.5 (lbs./min.)
8	Feed Supplement Density _____ (lbs./bushel)	50 (lbs./bushel)
9	Line 7 divided by Line 8 _____ (bushels/min)	0.75 (bushels/min)
10	Line 9 multiplied by 9.3 _____ (gal./min)	6.96 (gal./min)
11	60 divided by Line 10 _____ (sec/gal)	8.6 (sec/gal)



- Line 1.** The amount of hay that is fed to each animal, in pounds, on a daily basis.
Example: Each animal is fed 40 lbs. of hay each day.
- Line 2.** The amount of feed supplement that is fed to each animal, in pounds, on a daily basis.
Example: Each animal is fed 5 lbs. of feed supplement each day.
- Line 3.** Feed Ratio Per Animal: This result gives the amount of hay fed to each animal, in pounds, per 1 pound of feed supplement.
- Line 4.** The average weight of the bales that are to be processed while being supplemented
Example: The average weight of the bales is 1200 pounds.
- Line 5.** The average time it takes to process a bale that is to be processed while being supplemented.
Example: The average time it takes to process a bale is 4 minutes.
- Line 6.** Bale Processing Rate: This result gives the amount of hay processed, in pounds, per minute.
- Line 7.** Required Hopper Feed Rate: This is the amount of grain the hopper must feed out to maintain the desired “Feed Ratio Per Animal”, in pounds of feed supplement per minute.
- Line 8.** The density of the feed supplement, in pounds per bushel.
Example: The density of the feed supplement is 50 pounds per bushel.
- Line 9.** Converts Line 7 (Required Hopper Feed Rate) into a feed rate of bushels of supplement per min.
- Line 10.** Converts Line 9 into a feed rate of gallons of supplement per min.
- Line 11.** Converts Line 10 into the time required to fill, a 1 gallon container, in seconds per gallon.



Section 7: Maintenance

7.1 Welding Procedure

Balebuster Welding Procedures For Machines With The Weigh Scale Option

Precautions are required for welding on machines with electronic components. Electronic components including but not limited to: electronic scales

Proper welding procedures are necessary in order to avoid damage to the components, their sensors, and associated components.

When possible, remove the parts to be welded from the machine.

If not possible to remove the parts, follow the following procedure:



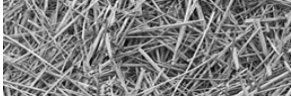
NOTE: Do not ground the welder to electrical components listed above, sensors, or wiring. Improper grounding can also damage bearings or hydraulic components. Clamp the ground cable from the welder to the part that will be welded. Place the clamp as close as possible to the weld. This will help reduce the possibility of damage.

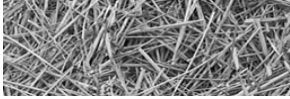
1. Unhitch the Balebuster from the tractor.
2. Disconnect the connectors from the electronic scale. Move the connectors to a position that will not allow the connectors to accidentally move back and make contact with any of the pins.
3. Connect the welding ground cable directly to the part that will be welded. Place the ground cable as close as possible to the weld in order to reduce the possibility of welding current damage to bearings, hydraulic components, and electrical components.



NOTE: If the electrical/electronic components are used as a ground for the welder, or electrical/electronic components are located between the welder ground and the weld, current flow from the welder could damage the components.

4. Protect the wiring harnesses and hydraulic lines from welding debris and spatter.
5. Use standard techniques to weld the materials.





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.

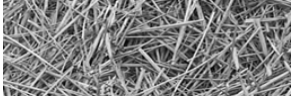
All claims for warranty must be made through the dealer which originally sold the product and all warranty adjustments must be made through same.

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.



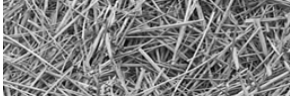
Appendix B: 2640 Specifications

General specifications

Tractor H.P. Required	Min. 65 H.P.
Capacity	6 Ft. Long x 6-1/2 Ft. Dia., 2000 Lbs.
Rotor Length	78"
Rotor Diameter	25-1/2"
Rotor Bearings - Ball	1-3/4"
Knives - Heat-Treated	30
Wheel - Taper Roller Bearings - Tire Size	12.5x15-8ply
Working Position 1 Bale Height	129"
Length	165"
Width	132"
Working Position 2 Bales Height	119"
Length	250"
Width	132"
Transport Position:	
Length	165"
Width	101-1/2"
Height	129"
Weight	4180 Lbs.
P.T.O	1000 RPM
Dual Hydraulics (single hydraulic system optional)	1500 psi
Cylinder 4-1/2" x 24" Double Acting	

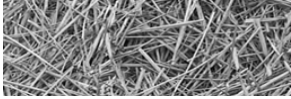
Options

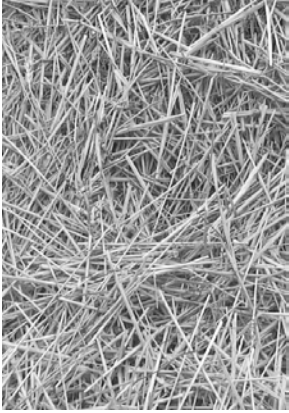
- Hydraulic Deflector
- Shredder Extension
- Wide Deflector Belt
- Taillight
- Fender
- Grain Tank
- Loader Wing L.H.
- Scale



Appendix C: Grain tank (Option) Specifications

Option Wt.	650 lbs (approx)
Hopper Capacity	21 bu
Max Weight Capacity	1300 lbs
Max supplement Delivery rate	3.5 bu/min
Hyd. Press. Req	1500 psi
Hyd. Flow Req.	12 gpm





HAYBUSTER[®]

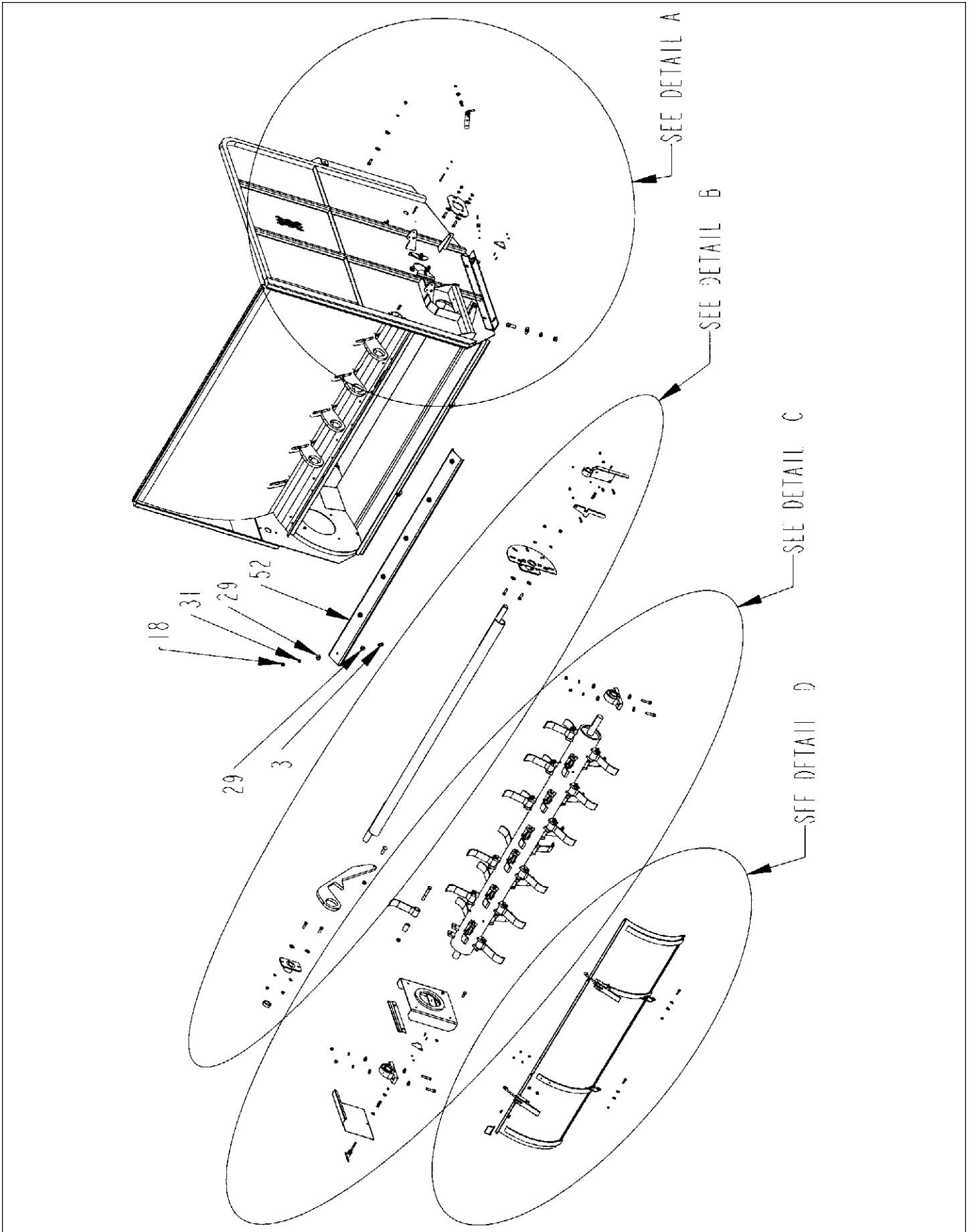
2640[™]

BALEBUSTER

Serial Number 26BJ125240 & Up

**Part 2:
Parts Reference**

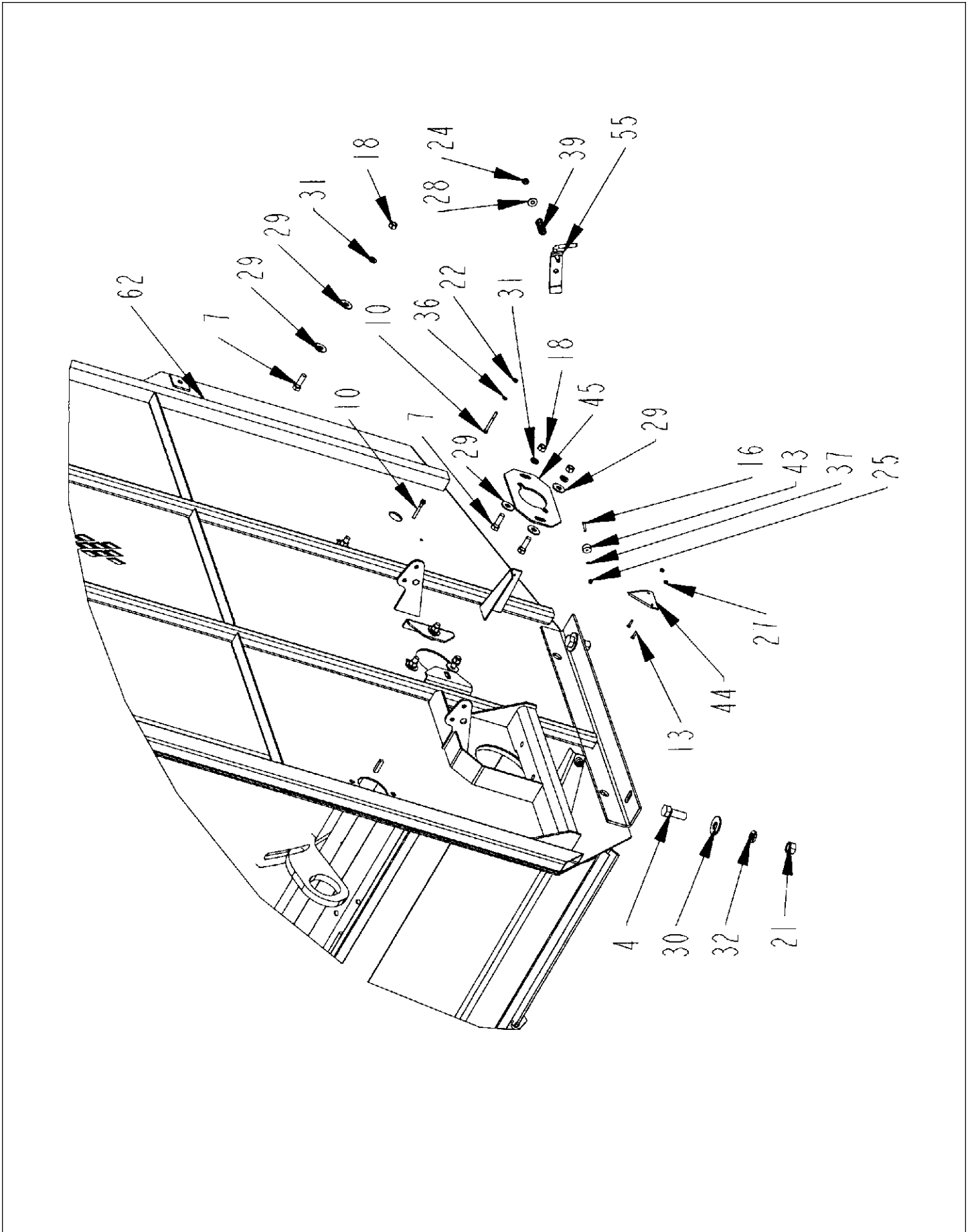
SHREDDER ASSEMBLY



SHREDDER ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	2000514	2	BRG\PB\1-3/4\2BOLT\MALLEABLE
2	2000813	1	CLLR\SHFT\1-1/2\SET
3	4800018	10	BOLT\HEX\1/2X1-1/4
4	4800033	4	BOLT\HEX\3/4X2
5	4800070	4	BOLT\HEX\1/2X2-1/2
6	4800071	4	BOLT\HEX\5/16X1-1/4
7	4800082	14	BOLT\HEX\1/2X1-1/2
8	4800098	5	BOLT\HEX\3/8X1-1/4\NC
9	4800100	30	BOLT\HEX\5/8X4
9HVY	4800598	HVY OPT	BOLT\HEX\5/8X4\NF\GR8
10	4800101	2	BOLT\HEX\1/4X2-1/2
11	4800142	2	BOLT\HEX\3/8X1-3/4
12	4800143	2	SCR\SET\ALN\3/8X3/8\NC
13	4800220	4	SCR\RD\SLOT\3/16x3/4\nc
14	4800302	1	SCR\PAN\SLOT\1/4X1/2\NC
15	4800483	5	BOLT\CRG\5/8X2\NC
16	4800587	2	SCR\RD\SLOT\#10-24X1
17	4800911	2	PIN\LYNCH\1/4X2-1/2\
18	4900001	28	NUT\HEX\1/2\NC
19	4900002	5	NUT\HEX\3/8\NC
20	4900003	4	NUT\HEX\5/16\NC
21	4900004	4	NUT\HEX\3/4\NC
22	4900009	2	NUT\HEX\1/4\NC
23	4900012	35	NUT\TPLCK\5/8\NC
23HVY	4900143	HVY OPT	NUT\TPLCK\5/8\NF\GR8
24	4900023	4	NUT\TPLCK\3/8\NC
25	4900072	2	NUT\HEX\#10\NC
26	4900084	1	NUT\TPLCK\1/4\NC
27	4900146	4	NUT\TPLCK\#12\NC
28	5000001	10	WASH\FLAT\3/8
29	5000004	42	WASH\FLAT\1/2
30	5000005	4	WASH\FLAT\3/4
31	5000006	28	WASH\LOCK\1/2
32	5000012	4	WASH\LOCK\3/4
33	5000019	5	WASH\LOCK\3/8
34	5000022	4	WASH\LOCK\5/16
35	5000023	4	WASH\FLAT\5/16
36	5000024	2	WASH\LOCK\1/4
37	5000071	2	WASH\LOCK;EXT\STAR\#10
38	5200009	30	FLAIL\BB\8
38HVY	5200012	HVY OPT	HMMR\FLAIL\8"\HEAVY
39	6100002	3	SPRING\COMP\0.72W\11/16OD\2-1/8LONG for SN 26BJ125240 to 26BJ165240
39	6100002	2	SPRING\COMP\0.72W\11/16OD\2-1/8LONG for SN 26BJ163240 and up
40	6200021	1	KEY\SQ\3/8X1-1/2\HARDEND
41	7500223	30	BUSHING\FLAIL
42	7501045	2	LATCH\ADJ\OTC\4"GRIP
43	7501049	2	CUSH\RBBR\7/8"ODX1/2"T
44	7501050	2	PLATE\SICKLE
45	8100036	1	MNT\MTR\HYD
46	8100762	1	RTR\FLAIL\78-3/8\2640
47	8100763	5	BAR\SLUG\ADJ
48	8100765	1	SHFT\ADJ\SLUGBAR
49	8100777	1	BRKT\BRG\FRONT\SLUGBAR for SN 26BJ125240 to 26BJ165240
49	8101038	1	BRKT\INDEX\SLUGBAR for SN 26BJ163240 and up
50	8100778	1	BRKT\BRG\REAR\RTR
51	8100789	1	HANDLE\ADJ\SLUGBAR for SN 26BJ125240 to 26BJ165240
51	8101051	1	HANDLE\ADJ\SLUGBAR for SN 26BJ163240 and up
52	8100793	1	CHNNL\STRIPPER\SHREADER
53	8100795	1	DOOR\SHREADER for SN 26BJ125240 to 26BJ165240
53	8101058	1	DOOR\SHREADER for SN 26BJ163240 and up
54	8100809	1	BRKT\BRG\REAR\SLUGBAR for SN 26BJ125240 to 26BJ165240
54	8101039	1	BRKT\BRG\SLUGBAR for SN 26BJ163240 and up
55	8100817	1	BRKT\LATCH\SHLD\PTO
56	8100820	1	BRKT\HANDLE\LATCH for SN 26BJ125240 to 26BJ165240
56	8101050	1	BRKT\HANDLE\LATCH for SN 26BJ163240 and up
57	8100822	1	SPACER\LATCH\SLUGBAR for SN 26BJ125240 to 26BJ165240
57	deleted		for SN 26BJ163240 and up
58	8100876	1	SHLD\BRG\REAR\RTR
59	8100877	1	LATCH\SHLD\BRG\REAR\RTR
60	8100879	1	MNT\SHLD\REAR\BRG\RTR
61	8101008	1	SHLD\REAR\SHRDR\2640
62	8101010	1	SHREADER\2640 for SN 26BJ125240 to 26BJ165240
62	8101059	1	SHREADER\2640 for SN 26BJ163240 and up

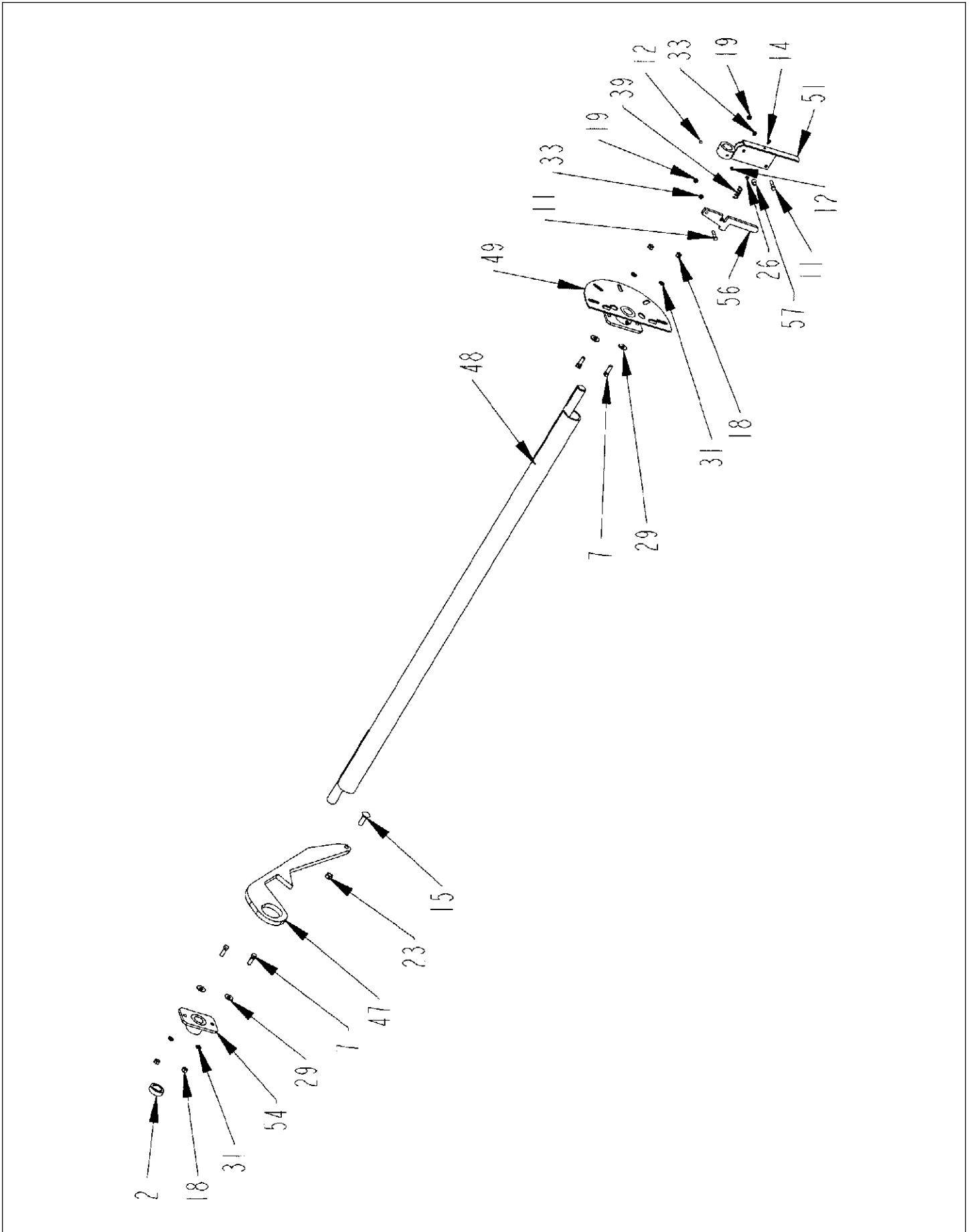
SHREDDER ASSEMBLY - DETAIL A



SHREDDER ASSEMBLY - DETAIL A

ITEM	PART NO.	QTY.	DESCRIPTION
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	8100890	as needed	SHM\10GA\BRG\RTR
	8100891	as needed	SHM\16GA\BRG\RTR
2	2000813	1	CLLR\SHFT\1-1/2\SET
3	4800018	10	BOLT\HEX\1/2X1-1/4
4	4800033	4	BOLT\HEX\3/4X2
5	4800070	4	BOLT\HEX\1/2X2-1/2
6	4800071	4	BOLT\HEX\5/16X1-1/4
7	4800082	14	BOLT\HEX\1/2X1-1/2
8	4800098	5	BOLT\HEX\3/8X1-1/4\NC
9	4800100	30	BOLT\HEX\5/8X4
9HVY	4800598	HVY OPT	BOLT\HEX\5/8X4\NF\GR8
10	4800101	2	BOLT\HEX\1/4X2-1/2
11	4800142	2	BOLT\HEX\3/8X1-3/4
12	4800143	2	SCR\SET\ALN\3/8X3/8\NC
13	4800220	4	SCR\RD\SLOT\3/16x3/4\nc
14	4800302	1	SCR\PAN\SLOT\1/4X1/2\NC
15	4800483	5	BOLT\CRG\5/8X2\NC
16	4800587	2	SCR\RD\SLOT\#10-24X1
17	4800911	2	PIN\LYNCH\1/4X2-1/2\
18	4900001	28	NUT\HEX\1/2\NC
19	4900002	5	NUT\HEX\3/8\NC
20	4900003	4	NUT\HEX\5/16\NC
21	4900004	4	NUT\HEX\3/4\NC
22	4900009	2	NUT\HEX\1/4\NC
23	4900012	35	NUT\TPLCK\5/8\NC
23HVY	4900143	HVY OPT	NUT\TPLCK\5/8\NF\GR8
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27	4900146	4	NUT\TPLCK\#12\NC
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29	5000004	42	WASH\FLAT\1/2
30	5000005	4	WASH\FLAT\3/4
31	5000006	28	WASH\LOCK\1/2
32	5000012	4	WASH\LOCK\3/4
33	5000019	5	WASH\LOCK\3/8
34	5000022	4	WASH\LOCK\5/16
35	5000023	4	WASH\FLAT\5/16
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38	5200009	30	FLAIL\BB\8
38HVY	5200012	HVY OPT	HMMR\FLAIL\8"HEAVY
39	6100002	3	SPRING\COMP\072W\11/16OD\2-1/8LONG for SN 26BJ125240 to 26BJ165240
39	6100002	2	SPRING\COMP\072W\11/16OD\2-1/8LONG for SN 26BJ163240 and up
40	6200021	1	KEY\SQ\3/8X1-1/2\HARDEND
41	7500223	30	BUSHING\FLAIL
42	7501045	2	LATCH\ADJ\OTC\4"GRIP
43	7501049	2	CUSH\RBRR\7/8"ODX\1/2"T
44	7501050	2	PLATE\SICKLE
45	8100036	1	MNT\MTR\HYD
46	8100762	1	RTR\FLAIL\78-3/8\2640
47	8100763	5	BAR\SLUG\ADJ
48	8100765	1	SHFT\ADJ\SLUGBAR
49	8100777	1	BRKT\BRG\FRONT\SLUGBAR for SN 26BJ125240 to 26BJ165240
49	8101038	1	BRKT\INDEX\SLUGBAR for SN 26BJ163240 and up
50	8100778	1	BRKT\BRG\REAR\RTR
51	8100789	1	HANDLE\ADJ\SLUGBAR for SN 26BJ125240 to 26BJ165240
51	8101051	1	HANDLE\ADJ\SLUGBAR for SN 26BJ163240 and up
52	8100793	1	CHNNL\STRIPPER\SHREADER
53	8100795	1	DOOR\SHREADER for SN 26BJ125240 to 26BJ165240
53	8101058	1	DOOR\SHREADER for SN 26BJ163240 and up
54	8100809	1	BRKT\BRG\REAR\SLUGBAR for SN 26BJ125240 to 26BJ165240
54	8101039	1	BRKT\BRG\SLUGBAR for SN 26BJ163240 and up
55	8100817	1	BRKT\LATCH\SHLD\PTO
56	8100820	1	BRKT\HANDLE\LATCH for SN 26BJ125240 to 26BJ165240
56	8101050	1	BRKT\HANDLE\LATCH for SN 26BJ163240 and up
57	8100822	1	SPACER\LATCH\SLUGBAR for SN 26BJ125240 to 26BJ165240
57	deleted		for SN 26BJ163240 and up
58	8100876	1	SHLD\BRG\REAR\RTR
59	8100877	1	LATCH\SHLD\BRG\REAR\RTR
60	8100879	1	MNT\SHLD\REAR\BRG\RTR
61	8101008	1	SHLD\REAR\SHRDR\2640
62	8101010	1	SHREADER\2640 for SN 26BJ125240 to 26BJ165240
62	8101059	1	SHREADER\2640 for SN 26BJ163240 and up

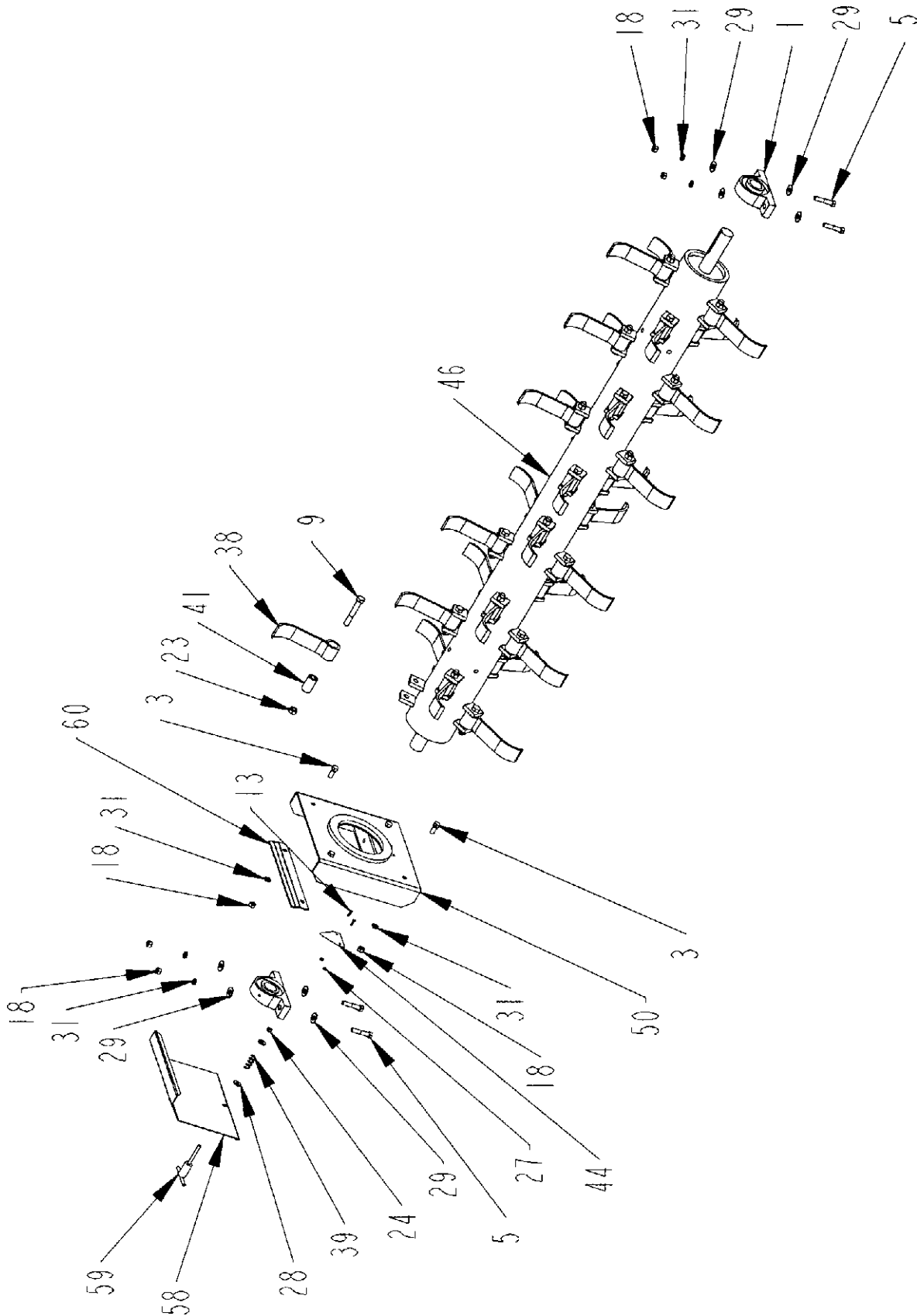
SHREDDER ASSEMBLY - DETAIL B



SHREDDER ASSEMBLY - DETAIL B

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	8100891	as needed	SHM\16GA\BRG\IRTR
2	2000813	1	CLLR\SHFT\1-1/2\SET
3	4800018	10	BOLT\HEX\1/2X1-1/4
4	4800033	4	BOLT\HEX\3/4X2
5	4800070	4	BOLT\HEX\1/2X2-1/2
6	4800071	4	BOLT\HEX\5/16X1-1/4
7	4800082	14	BOLT\HEX\1/2X1-1/2
8	4800098	5	BOLT\HEX\3/8X1-1/4\NC
9	4800100	30	BOLT\HEX\5/8X4
9HVY	4800598	HVY OPT	BOLT\HEX\5/8X4\NF\GR8
10	4800101	2	BOLT\HEX\1/4X2-1/2
11	4800142	2	BOLT\HEX\3/8X1-3/4
12	4800143	2	SCR\SET\ALN\3/8X3/8\NC
13	4800220	4	SCR\RD\SLOT\3/16x3/4\nc
14	4800302	1	SCR\PAN\SLOT\1/4X1/2\NC
15	4800483	5	BOLT\CRG\5/8X2\NC
16	4800587	2	SCR\RD\SLOT\#10-24X1
17	4800911	2	PIN\LYNCH\1/4X2-1/2\
18	4900001	28	NUT\HEX\1/2\NC
19	4900002	5	NUT\HEX\3/8\NC
20	4900003	4	NUT\HEX\5/16\NC
21	4900004	4	NUT\HEX\3/4\NC
22	4900009	2	NUT\HEX\1/4\NC
23	4900012	35	NUT\TPLCK\5/8\NC
23HVY	4900143	HVY OPT	NUT\TPLCK\5/8\NF\GR8
24	4900023	4	NUT\TPLCK\3/8\NC
25	4900072	2	NUT\HEX\#10\NC
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29	5000004	42	WASH\FLAT\1/2
30	5000005	4	WASH\FLAT\3/4
31	5000006	28	WASH\LOCK\1/2
32	5000012	4	WASH\LOCK\3/4
33	5000019	5	WASH\LOCK\3/8
34	5000022	4	WASH\LOCK\5/16
35	5000023	4	WASH\FLAT\5/16
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37	5000071	2	WASH\LOCK;EXT\STAR\#10
38	5200009	30	FLAIL\BB\8
38HVY	5200012	HVY OPT	HMMR\FLAIL\8"HEAVY
39	6100002	3	SPRING\COMP\072W\11/16OD\2-1/8LONG for SN 26BJ125240 to 26BJ165240
39	6100002	2	SPRING\COMP\072W\11/16OD\2-1/8LONG for SN 26BJ163240 and up
40	6200021	1	KEY\SQ\3/8X1-1/2\HARDEND
41	7500223	30	BUSHING\FLAIL
42	7501045	2	LATCH\ADJ\OTC\4"GRIP
43	7501049	2	CUSH\RBRR\7/8"ODX1/2"T
44	7501050	2	PLATE\SICKLE
45	8100036	1	MNT\MTR\HYD
46	8100762	1	RTR\FLAIL\78-3/8\2640
47	8100763	5	BAR\SLUG\ADJ
48	8100765	1	SHFT\ADJ\SLUGBAR
49	8100777	1	BRKT\BRG\FRONT\SLUGBAR for SN 26BJ125240 to 26BJ165240
49	8101038	1	BRKT\INDEX\SLUGBAR for SN 26BJ163240 and up
50	8100778	1	BRKT\BRG\REAR\IRTR
51	8100789	1	HANDLE\ADJ\SLUGBAR for SN 26BJ125240 to 26BJ165240
51	8101051	1	HANDLE\ADJ\SLUGBAR for SN 26BJ163240 and up
52	8100793	1	CHNNL\STRIPPER\SHREADER
53	8100795	1	DOOR\SHREADER for SN 26BJ125240 to 26BJ165240
53	8101058	1	DOOR\SHREADER for SN 26BJ163240 and up
54	8100809	1	BRKT\BRG\REAR\SLUGBAR for SN 26BJ125240 to 26BJ165240
54	8101039	1	BRKT\BRG\SLUGBAR for SN 26BJ163240 and up
55	8100817	1	BRKT\LATCH\SHLD\PTO
56	8100820	1	BRKT\HANDLE\LATCH for SN 26BJ125240 to 26BJ165240
56	8101050	1	BRKT\HANDLE\LATCH for SN 26BJ163240 and up
57	8100822	1	SPACER\LATCH\SLUGBAR for SN 26BJ125240 to 26BJ165240
57	deleted		for SN 26BJ163240 and up
58	8100876	1	SHLD\BRG\REAR\IRTR
59	8100877	1	LATCH\SHLD\BRG\REAR\IRTR
60	8100879	1	MNT\SHLD\REAR\BRG\IRTR
61	8101008	1	SHLD\REAR\SHRDR\2640
62	8101010	1	SHREADER\2640 for SN 26BJ125240 to 26BJ165240
62	8101059	1	SHREADER\2640 for SN 26BJ163240 and up

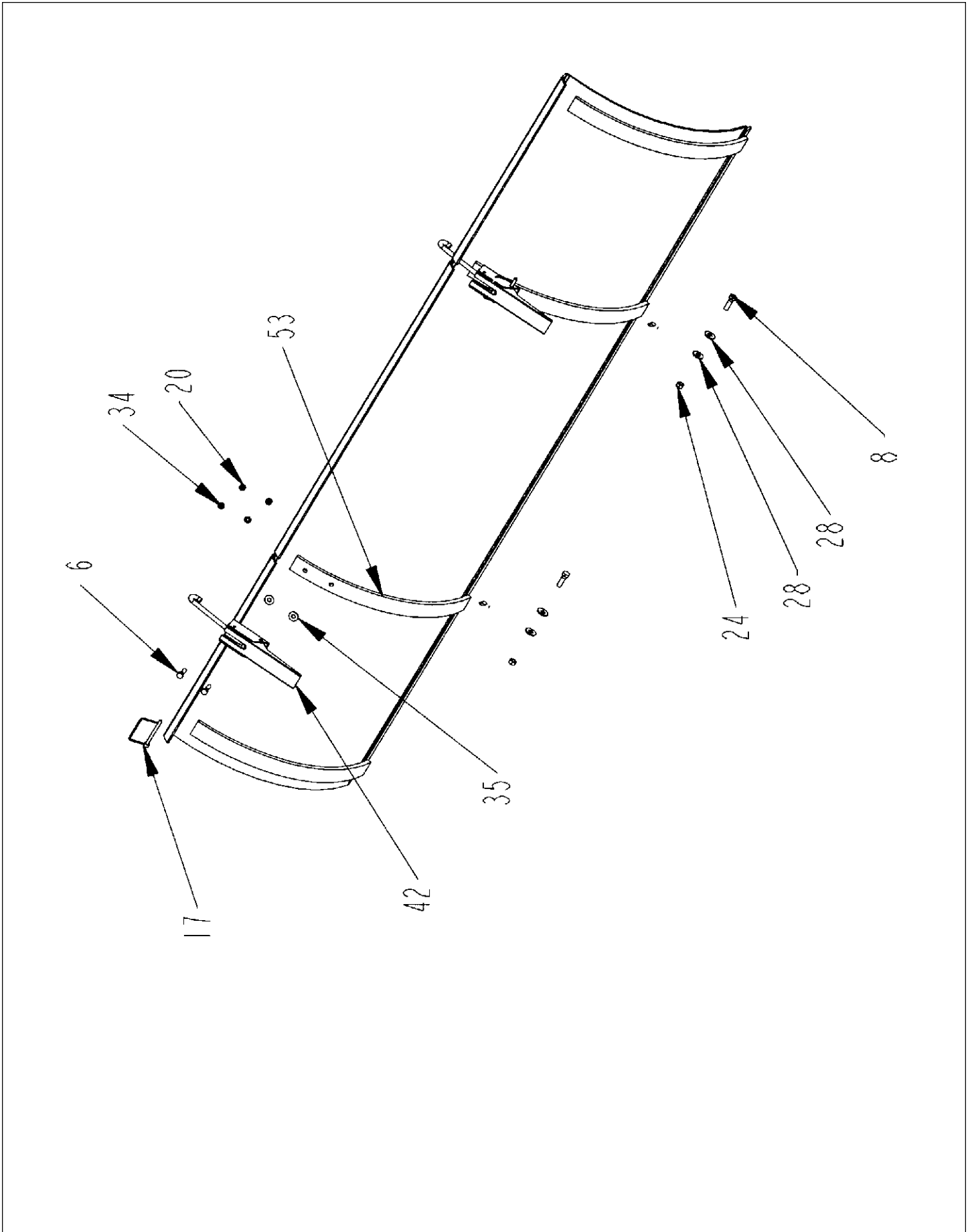
SHREDDER ASSEMBLY - DETAIL C



SHREDDER ASSEMBLY - DETAIL C

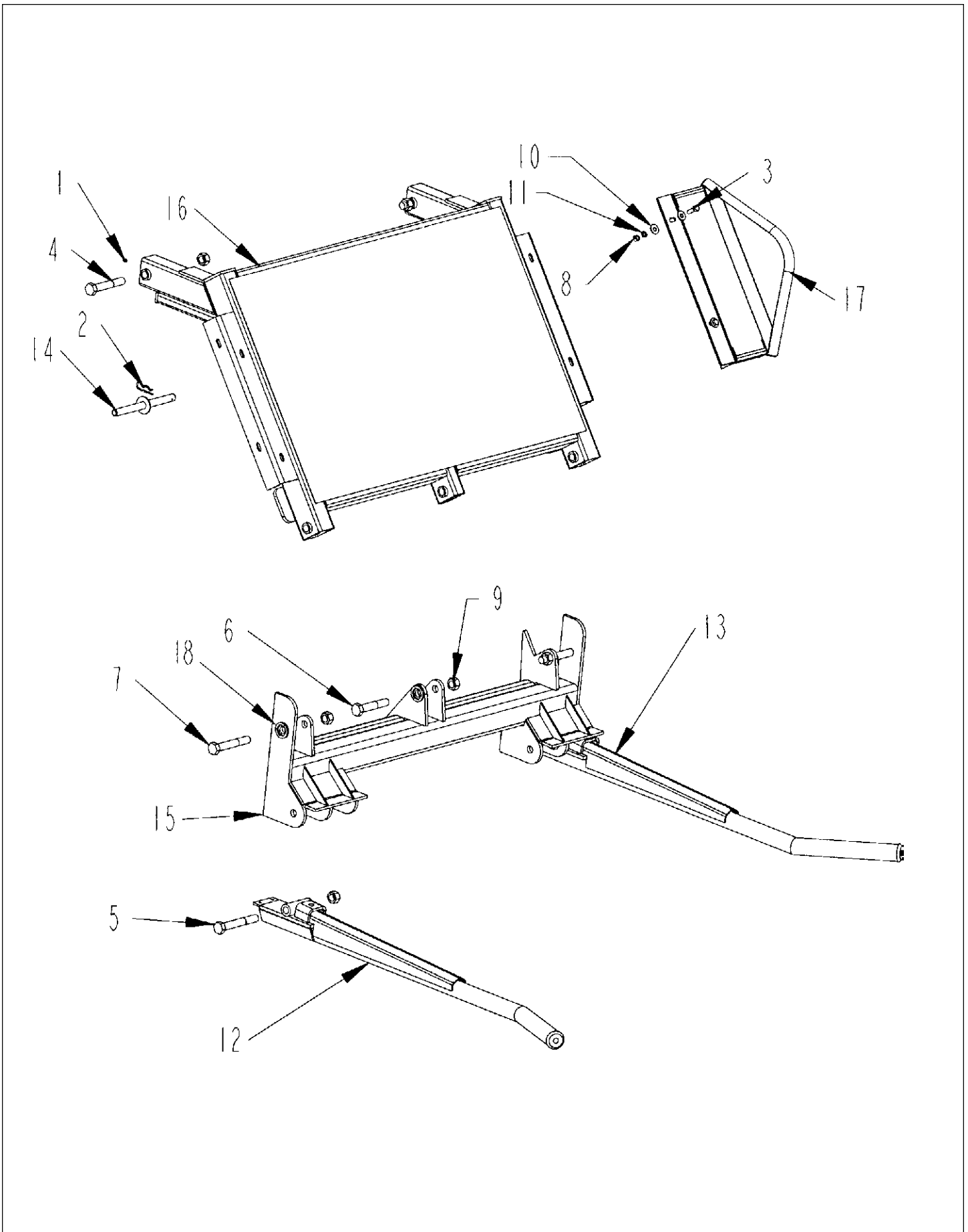
ITEM	PART NO.	QTY.	DESCRIPTION
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	8100891	as needed	SHM\16GA\BRG\IRTR
2	2000813	1	CLLR\SHFT\1-1/2\SET
3	4800018	10	BOLT\HEX\1/2X1-1/4
4	4800033	4	BOLT\HEX\3/4X2
5	4800070	4	BOLT\HEX\1/2X2-1/2
6	4800071	4	BOLT\HEX\5/16X1-1/4
7	4800082	14	BOLT\HEX\1/2X1-1/2
8	4800098	5	BOLT\HEX\3/8X1-1/4\NC
9	4800100	30	BOLT\HEX\5/8X4
9HVY	4800598	HVY OPT	BOLT\HEX\5/8X4\NF\GR8
10	4800101	2	BOLT\HEX\1/4X2-1/2
11	4800142	2	BOLT\HEX\3/8X1-3/4
12	4800143	2	SCR\SET\ALN\3/8X3/8\NC
13	4800220	4	SCR\RD\SLOT\3/16x3/4\nc
14	4800302	1	SCR\PAN\SLOT\1/4X1/2\NC
15	4800483	5	BOLT\CRG\5/8X2\NC
16	4800587	2	SCR\RD\SLOT\#10-24X1
17	4800911	2	PIN\LYNCH\1/4X2-1/2\
18	4900001	28	NUT\HEX\1/2\NC
19	4900002	5	NUT\HEX\3/8\NC
20	4900003	4	NUT\HEX\5/16\NC
21	4900004	4	NUT\HEX\3/4\NC
22	4900009	2	NUT\HEX\1/4\NC
23	4900012	35	NUT\TPLCK\5/8\NC
23HVY	4900143	HVY OPT	NUT\TPLCK\5/8\NF\GR8
24	4900023	4	NUT\TPLCK\3/8\NC
25	4900072	2	NUT\HEX\#10\NC
26	4900084	1	NUT\TPLCK\1/4\NC
27	4900146	4	NUT\TPLCK\#12\NC
28	5000001	10	WASH\FLAT\3/8
29	5000004	42	WASH\FLAT\1/2
30	5000005	4	WASH\FLAT\3/4
31	5000006	28	WASH\LOCK\1/2
32	5000012	4	WASH\LOCK\3/4
33	5000019	5	WASH\LOCK\3/8
34	5000022	4	WASH\LOCK\5/16
35	5000023	4	WASH\FLAT\5/16
36	5000024	2	WASH\LOCK\1/4
37	5000071	2	WASH\LOCK;EXT\STAR\#10
38	5200009	30	FLAIL\BB\8
38HVY	5200012	HVY OPT	HMMR\FLAIL\8"HEAVY
39	6100002	3	SPRING\COMP\072W\11/16OD\2-1/8LONG for SN 26BJ125240 to 26BJ165240
39	6100002	2	SPRING\COMP\072W\11/16OD\2-1/8LONG for SN 26BJ163240 and up
40	6200021	1	KEY\SQ\3/8X1-1/2\HARDEND
41	7500223	30	BUSHING\FLAIL
42	7501045	2	LATCH\ADJ\OTC\4"GRIP
43	7501049	2	CUSH\RBRR\7/8"ODX1/2" T
44	7501050	2	PLATE\SICKLE
45	8100036	1	MNT\MTR\HYD
46	8100762	1	RTR\FLAIL\78-3/8\2640
47	8100763	5	BAR\SLUG\ADJ
48	8100765	1	SHFT\ADJ\SLUGBAR
49	8100777	1	BRKT\BRG\FRONT\SLUGBAR for SN 26BJ125240 to 26BJ165240
49	8101038	1	BRKT\INDEX\SLUGBAR for SN 26BJ163240 and up
50	8100778	1	BRKT\BRG\REAR\IRTR
51	8100789	1	HANDLE\ADJ\SLUGBAR for SN 26BJ125240 to 26BJ165240
51	8101051	1	HANDLE\ADJ\SLUGBAR for SN 26BJ163240 and up
52	8100793	1	CHNNL\STRIPPER\SHREADER
53	8100795	1	DOOR\SHREADER for SN 26BJ125240 to 26BJ165240
53	8101058	1	DOOR\SHREADER for SN 26BJ163240 and up
54	8100809	1	BRKT\BRG\REAR\SLUGBAR for SN 26BJ125240 to 26BJ165240
54	8101039	1	BRKT\BRG\SLUGBAR for SN 26BJ163240 and up
55	8100817	1	BRKT\LATCH\SHLD\PTO
56	8100820	1	BRKT\HANDLE\LATCH for SN 26BJ125240 to 26BJ165240
56	8101050	1	BRKT\HANDLE\LATCH for SN 26BJ163240 and up
57	8100822	1	SPACER\LATCH\SLUGBAR for SN 26BJ125240 to 26BJ165240
57	deleted		for SN 26BJ163240 and up
58	8100876	1	SHLD\BRG\REAR\IRTR
59	8100877	1	LATCH\SHLD\BRG\REAR\IRTR
60	8100879	1	MNT\SHLD\REAR\BRG\IRTR
61	8101008	1	SHLD\REAR\SHRDR\2640
62	8101010	1	SHREADER\2640 for SN 26BJ125240 to 26BJ165240
62	8101059	1	SHREADER\2640 for SN 26BJ163240 and up

SHREDDER ASSEMBLY - DETAIL D



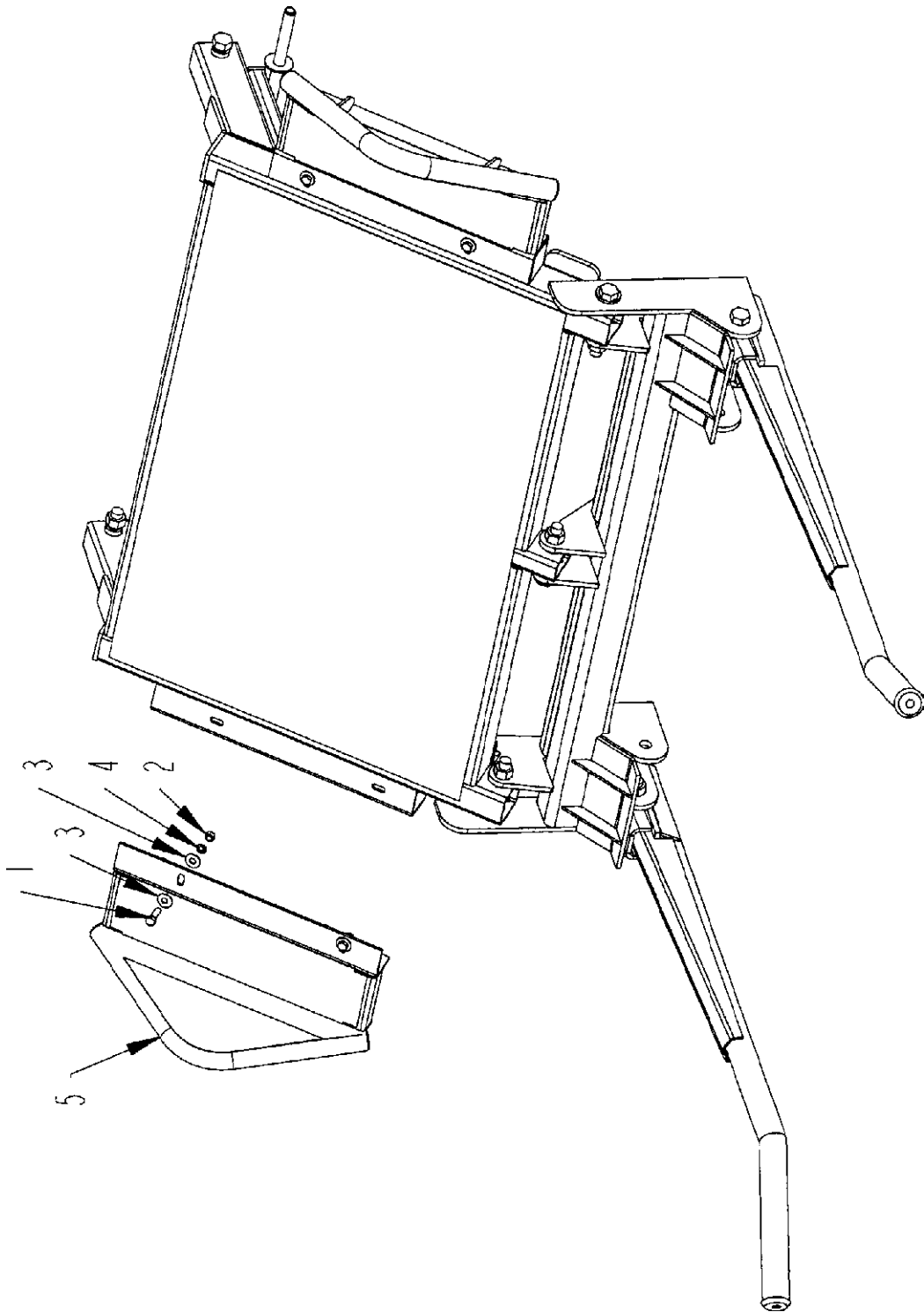
SHREDDER ASSEMBLY - DETAIL D

ITEM	PART NO.	QTY.	DESCRIPTION
1	2000514	2	BRG\PB\1-3/4\2BOLT\MALLEABLE
	8100890	as needed	SHM\10GA\BRG\RTR
	8100891	as needed	SHM\16GA\BRG\RTR
2	2000813	1	CLLR\SHFT\1-1/2\SET
3	4800018	10	BOLT\HEX\1/2X1-1/4
4	4800033	4	BOLT\HEX\3/4X2
5	4800070	4	BOLT\HEX\1/2X2-1/2
6	4800071	4	BOLT\HEX\5/16X1-1/4
7	4800082	14	BOLT\HEX\1/2X1-1/2
8	4800098	5	BOLT\HEX\3/8X1-1/4\INC
9	4800100	30	BOLT\HEX\5/8X4
9HVY	4800598	HVY OPT	BOLT\HEX\5/8X4\NF\GR8
10	4800101	2	BOLT\HEX\1/4X2-1/2
11	4800142	2	BOLT\HEX\3/8X1-3/4
12	4800143	2	SCR\SET\ALN\3/8X3/8\INC
13	4800220	4	SCR\RD\SLOT\3/16x3/4\inc
14	4800302	1	SCR\PAN\SLOT\1/4X1/2\INC
15	4800483	5	BOLT\CRG\5/8X2\INC
16	4800587	2	SCR\RD\SLOT\#10-24X1
17	4800911	2	PIN\LYNCH\1/4X2-1/2\
18	4900001	28	NUT\HEX\1/2\INC
19	4900002	5	NUT\HEX\3/8\INC
20	4900003	4	NUT\HEX\5/16\INC
21	4900004	4	NUT\HEX\3/4\INC
22	4900009	2	NUT\HEX\1/4\INC
23	4900012	35	NUT\TPLCK\5/8\INC
23HVY	4900143	HVY OPT	NUT\TPLCK\5/8\NF\GR8
24	4900023	4	NUT\TPLCK\3/8\INC
25	4900072	2	NUT\HEX\#10\INC
26	4900084	1	NUT\TPLCK\1/4\INC
27	4900146	4	NUT\TPLCK\#12\INC
28	5000001	10	WASH\FLAT\3/8
29	5000004	42	WASH\FLAT\1/2
30	5000005	4	WASH\FLAT\3/4
31	5000006	28	WASH\LOCK\1/2
32	5000012	4	WASH\LOCK\3/4
33	5000019	5	WASH\LOCK\3/8
34	5000022	4	WASH\LOCK\5/16
35	5000023	4	WASH\FLAT\5/16
36	5000024	2	WASH\LOCK\1/4
37	5000071	2	WASH\LOCK;EXT\STAR\#10
38	5200009	30	FLAIL\BB\8
38HVY	5200012	HVY OPT	HMMR\FLAIL\8"HEAVY
39	6100002	3	SPRING\COMP\072W\11/16OD\2-1/8\LONG for SN 26BJ125240 to 26BJ165240
39	6100002	2	SPRING\COMP\072W\11/16OD\2-1/8\LONG for SN 26BJ163240 and up
40	6200021	1	KEY\SQ\3/8X1-1/2\HARDEND
41	7500223	30	BUSHING\FLAIL
42	7501045	2	LATCH\ADJ\OTC\4"GRIP
43	7501049	2	CUSH\RBRR\7/8"ODX\1/2" T
44	7501050	2	PLATE\SICKLE
45	8100036	1	MNT\MTR\HYD
46	8100762	1	RTR\FLAIL\78-3/8\2640
47	8100763	5	BAR\SLUG\ADJ
48	8100765	1	SHFT\ADJ\SLUGBAR
49	8100777	1	BRKT\BRG\FRONT\SLUGBAR for SN 26BJ125240 to 26BJ165240
49	8101038	1	BRKT\INDEX\SLUGBAR for SN 26BJ163240 and up
50	8100778	1	BRKT\BRG\REAR\RTR
51	8100789	1	HANDLE\ADJ\SLUGBAR for SN 26BJ125240 to 26BJ165240
51	8101051	1	HANDLE\ADJ\SLUGBAR for SN 26BJ163240 and up
52	8100793	1	CHNNL\STRIPPER\SHREADER
53	8100795	1	DOOR\SHREADER for SN 26BJ125240 to 26BJ165240
53	8101058	1	DOOR\SHREADER for SN 26BJ163240 and up
54	8100809	1	BRKT\BRG\REAR\SLUGBAR for SN 26BJ125240 to 26BJ165240
54	8101039	1	BRKT\BRG\SLUGBAR for SN 26BJ163240 and up
55	8100817	1	BRKT\LATCH\SHLD\PTO
56	8100820	1	BRKT\HANDLE\LATCH for SN 26BJ125240 to 26BJ165240
56	8101050	1	BRKT\HANDLE\LATCH for SN 26BJ163240 and up
57	8100822	1	SPACER\LATCH\SLUGBAR for SN 26BJ125240 to 26BJ165240
57	deleted		for SN 26BJ163240 and up
58	8100876	1	SHLD\BRG\REAR\RTR
59	8100877	1	LATCH\SHLD\BRG\REAR\RTR
60	8100879	1	MNT\SHLD\REAR\BRG\RTR
61	8101008	1	SHLD\REAR\SHRDR\2640
62	8101010	1	SHREADER\2640 for SN 26BJ125240 to 26BJ165240
62	8101059	1	SHREADER\2640 for SN 26BJ163240 and up



WING AND LOADER ASSEMBLY SN 26BJ125240 - 26BJ165240

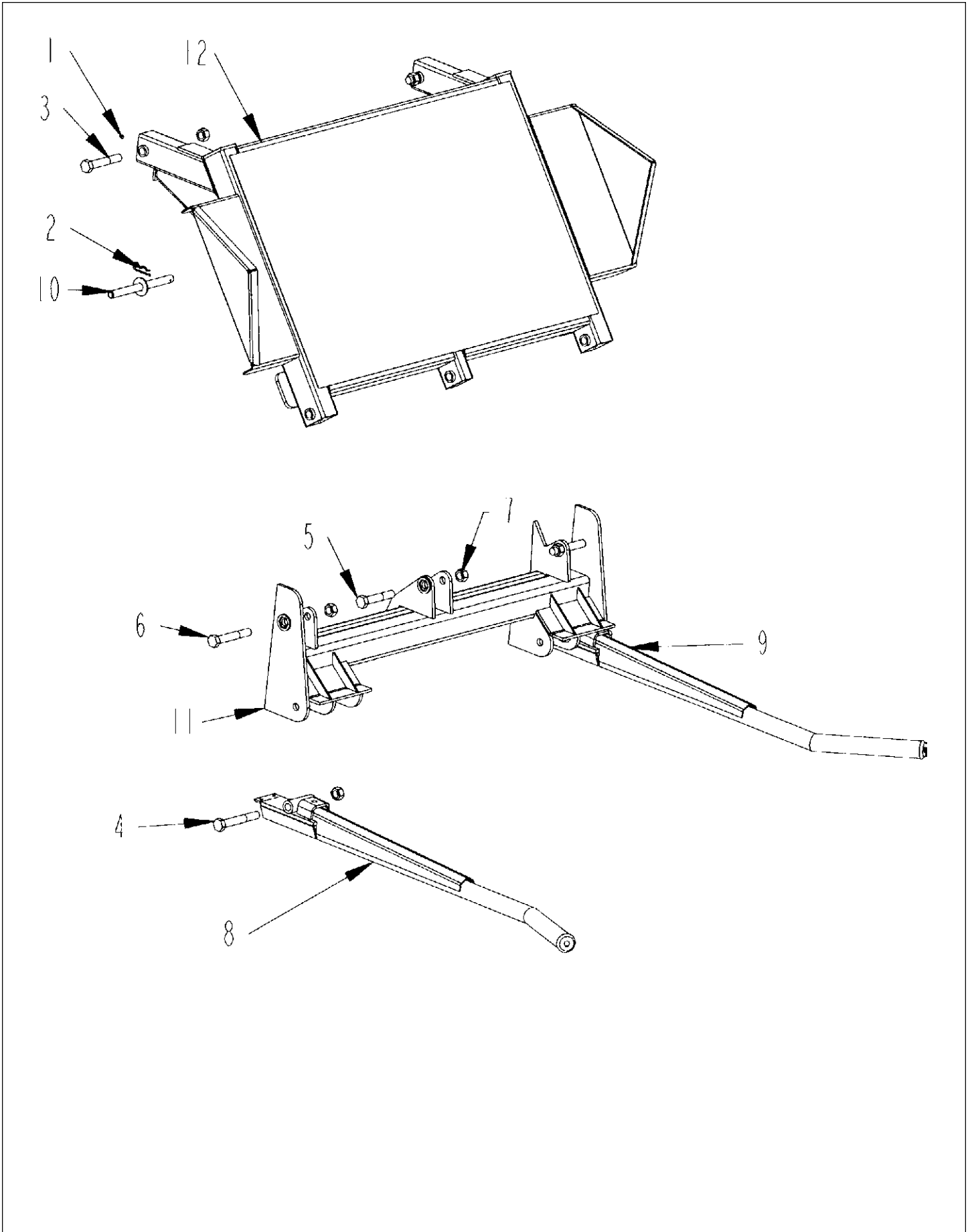
ITEM	PART NO.	QTY.	DESCRIPTION
1	3800043	5	FTG\LUB\1/8MPXZRK\SHORT
2	4800056	2	PIN\HAIR\3/16(#3)
3	4800082	4	BOLT\HEX\1/2X1-1/2
4	4800187	2	BOLT\HEX\1X6
5	4800471	2	BOLT\HEX\1X7\NC
6	4800633	2	BOLT\HEX\1X5-1/2\NC\GR5\PLT
7	4800919	2	BOLT\HEX\1X6-1/2\GR5\NC
8	4900001	4	NUT\HEX\1/2\NC
9	4900127	8	NUT\TPLCK\1\NC
10	5000004	8	WASH\FLAT\1/2
11	5000006	4	WASH\LOCK\1/2
12	8100769	1	TINELWJ
13	8100770	1	TINERWJ
14	8100794	2	PIN\LOCK\TRANSPORT
15	8100992	1	FRM\LOADER\LOWER\
16	8100999	1	LOADER\UPPER\
17	8101009	1	WING\LOADER\2640
18	D1013183	3	1-1/2" HEX WASHER WELDED PIECE



WING OPTION ASSEMBLY SN 26BJ125240 - 26BJ165240

ITEM	PART NO.	QTY.	DESCRIPTION
1	4800082	8	BOLT\HEX\1/2X1-1/2
2	4900001	8	NUT\HEX\1/2\NC
3	5000004	16	WASH\FLAT\1/2
4	5000006	8	WASH\LOCK\1/2
5	8101009	2	WING\LOADER\2640

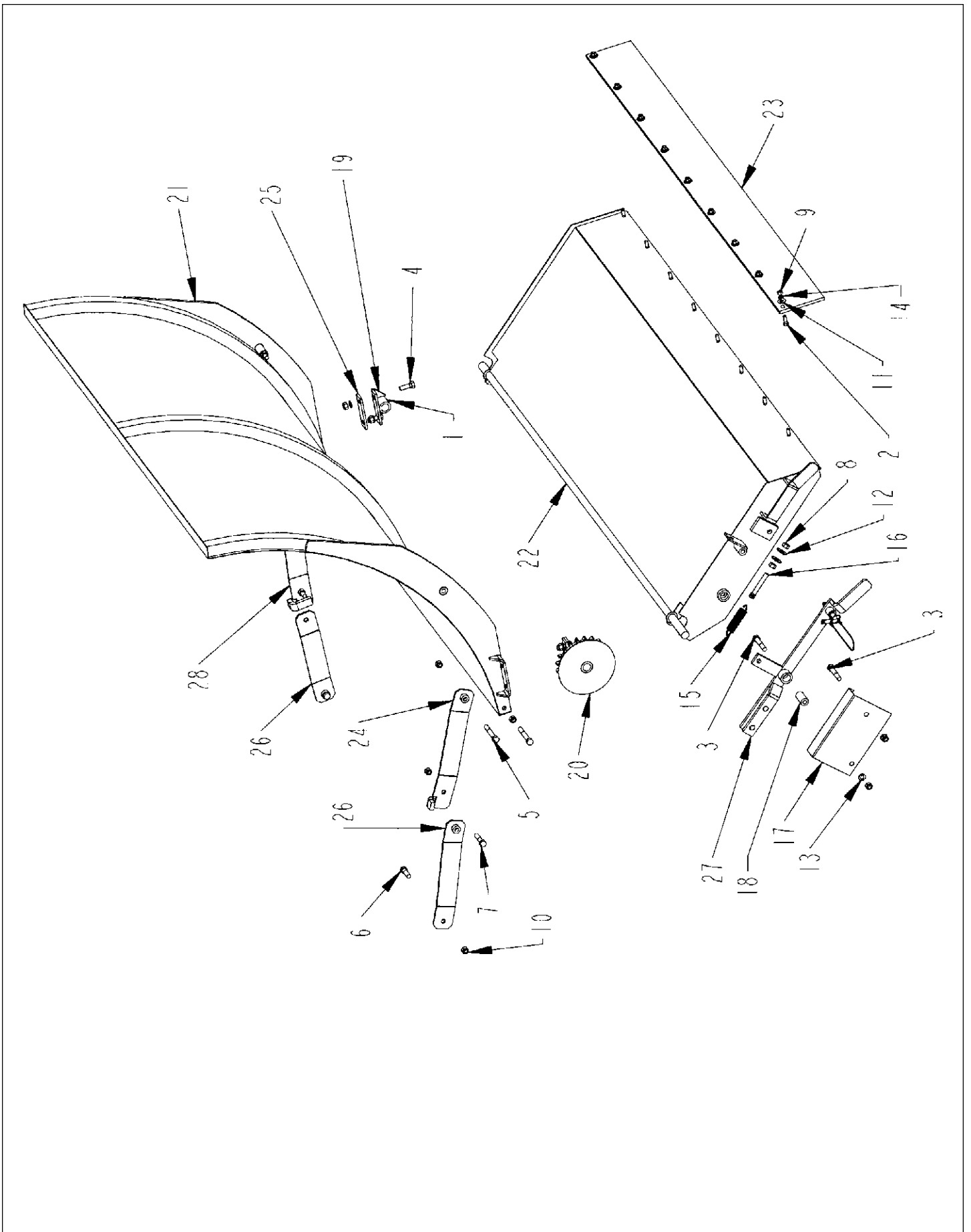
LOADER ASSEMBLY SN 26BJ165340 & UP



LOADER ASSEMBLY SN 26BJ165340 & UP

ITEM	PART NO.	QTY.	DESCRIPTION
1	3800043	5	FTG\LUB\1\8MPXZRK\SHORT
2	4800056	2	PIN\HAIR\3\16(#3)
3	4800187	2	BOLT\HEX\1X6
4	4800471	2	BOLT\HEX\1X7\NC
5	4800633	2	BOLT\HEX\1X5-1\2\NC\GR5\PLT
6	4800919	2	BOLT\HEX\1X6-1\2\GR5\NC
7	4900127	8	NUT\TPLCK\1\NC
8	8100769	1	TINE\LJJ
9	8100770	1	TINE\RJJ
10	8100794	2	PIN\LOCK\TRANSPORT
11	8100992	1	FRM\LOADER\LOWER\
12	8100999	1	LOADER\UPPER\
	not shown		
	8101161		UPDATE\KIT2640

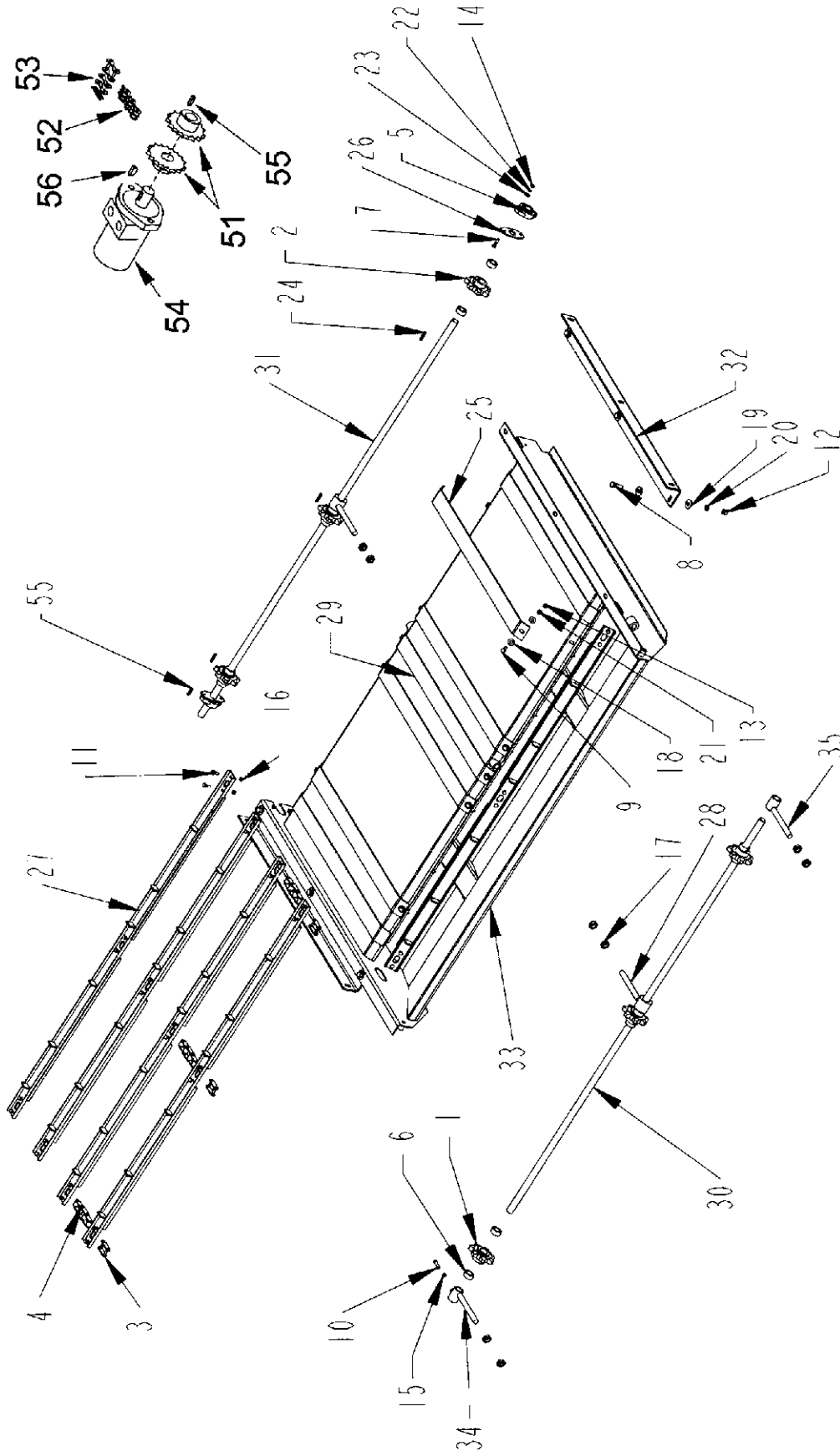
RACK AND DEFLECTOR ASSEMBLY



RACK AND DEFLECTOR ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	3800043	2	FTG\LUB\1/8MPXZRK\SHORT
2	4800003	9	BOLT\HEX\3/8X1
3	4800068	2	BOLT\HEX\1/2X3
4	4800082	4	BOLT\HEX\1/2X1-1/2
5	4800135	4	BOLT\HEX\1/2X3-1/2
6	4800178	2	BOLT\HEX\1/2X1-3/4
7	4800251	2	BOLT\HEX\1/2X2-1/4\NC
8	4900001	8	NUT\HEX\1/2\NC
9	4900002	9	NUT\HEX\3/8\NC
10	4900014	8	NUT\PLCK\1/2\NC
11	5000001	9	WASH\FLAT\3/8
12	5000004	2	WASH\FLAT\1/2
13	5000006	6	WASH\LOCK\1/2
14	5000019	9	WASH\LOCK\3/8
15	6100036	1	1 O.D. X 4 5/16 SPRING
16	7500812	1	ROD\ARM
17	8100726	1	SHLD\LATCH\DFLCTR
18	8100727	2	BSHNG\LATCH\DFLCTR
19	8100751	1	MNT\REAR\DFLCTR\II
20	8100752	1	MNT\FRONTW-SPROCKET\II
21	8100784	1	RACK\CURVED\70-1/4
22	8100785	1	DFLCTR\00
23	8100791	1	BELT\DFLCTR\73-3/4
24	8100807	1	STRAP\RACK\FRONT
25	8100808	2	SHIM\FLAT\DEFLECTOR
26	8101030	2	STRAP\RACK\FRONTW-BUSHING
27	8101001	1	LATCH\DFLCTR\ASSY\2640
27A	4800641		PIN\LOCK\SELF\1/2X2-1/2\RING\ZINC-PLTD
27B	4800642		RIM\POP\STL\3/16X11/16
27C	7800822		replaced by 8101031 and 4800392
	8101031	1	CABLE\1/8"X20"21GT
	4800392	2	CBL\SLV\1/8
27D	8101000		BRACKET\LATCH\DFLCTR\II
28	8101011	1	RACK\STRAP\REAR\W-STOP

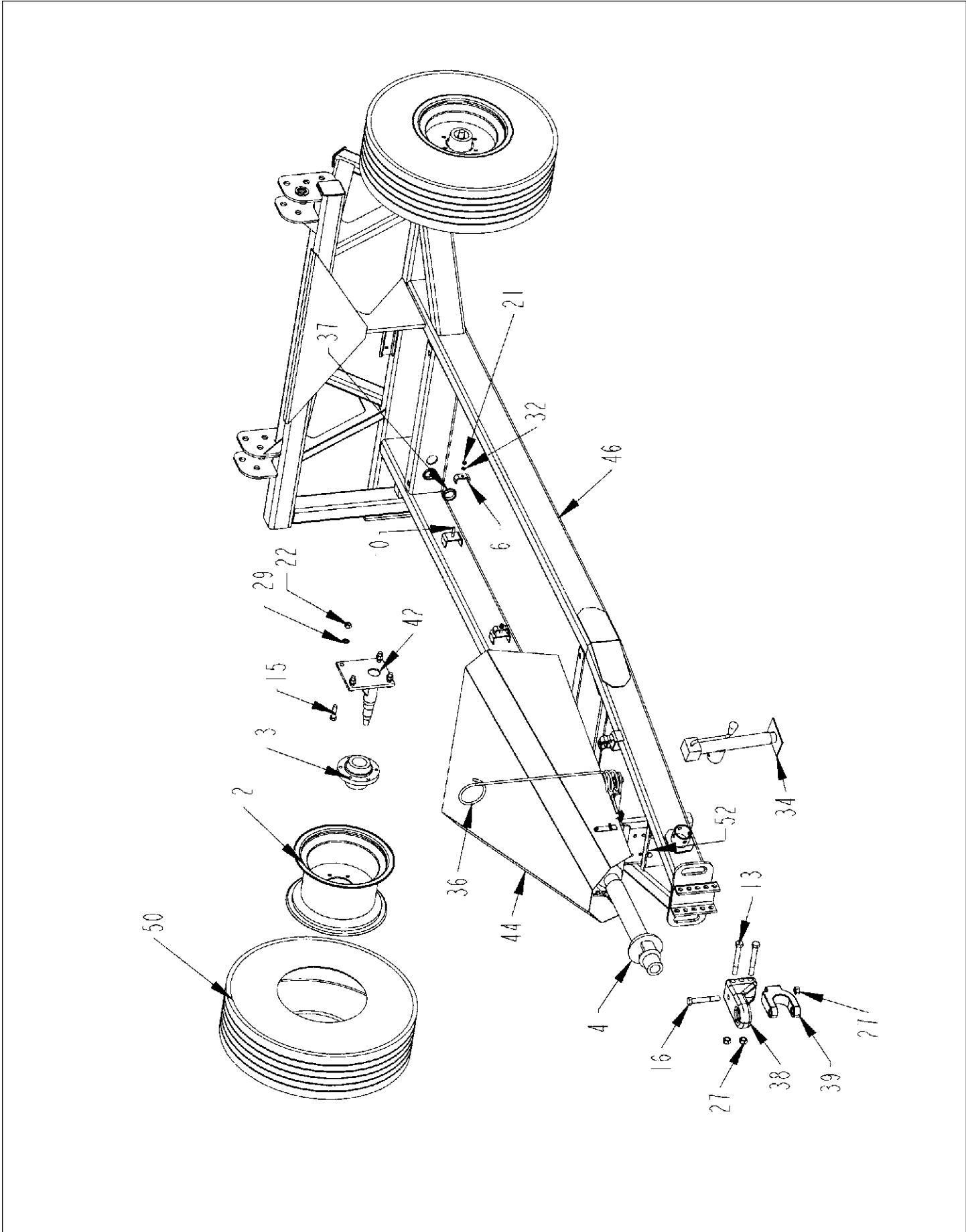
CONVEYOR ASSEMBLY



CONVEYOR ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	1000088	3	SPKT\662\7\1\IDLER\CA
2	1000089	3	SPKT\662\7\1\1/4KW\DR
2a	4800143	6	SCR\SET\ALN\3\8X3\8\NC
3	1100103	3	CHAIN\620CA\CL
3a	1100142	3	CHAIN\620CA\CL\W\LUG
4	1100150	3	CHAIN\620CA\53\W\ATTCH
5	2000310	2	BRG\FLG\CAST\1-1/4\2BOLT
6	2000809	12	CLLOR\SHFT\1\SET
7	4800071	4	BOLT\HEX\5\16X1-1/4
8	4800082	6	BOLT\HEX\1\2X1-1/2
9	4800098	10	BOLT\HEX\3\8X1-1/4\NC
10	4800238	1	SCR\SET\SQ\3\8X1-1/4\NC
11	4800393	54	BOLT\HEX\5\16X7\8\GR8
12	4900001	6	NUT\HEX\1\2\NC
13	4900002	10	NUT\HEX\3\8\NC
14	4900003	4	NUT\HEX\5\16\NC
15	4900026	1	NUT\JAM\3\8\NC
16	4900099	54	NUT\TPLCK\5\16\GR8\NC
17	4900104	8	NUT\JAM\3\4\NC
18	5000001	20	WASH\FLAT\3\8
19	5000004	12	WASH\FLAT\1\2
20	5000006	6	WASH\LOCK\1\2
21	5000019	10	WASH\LOCK\3\8
22	5000022	4	WASH\LOCK\5\16
23	5000023	4	WASH\FLAT\5\16
24	6200005	3	KEY\SQ\1/4X1-1/2
25	8100171	4	PL\RUB\CHAIN\CNVYR for SN 26BJ125240 to 26BJ165240
	8101052	2	SLIDE\CNVYR for SN 26BJ165340 and up
26	8100449	2	BRKT\SHLD\TWINE
27	8100570	9	SLAT\CNVYR\3CH\256 for SN 26BJ125240 to 26BJ165240
	8101053	9	SLAT\CNVYR\3CH for SN 26BJ165340 and up
28	8100585	2	BRKT\SHFT\DRIVE\CNVYR
	7500147		1" ID OILITE BUSHING (replacement bushing for 8100585)
29	8100590	1	PL\RUB\CHAIN\CNVYR for SN 26BJ125240 to 26BJ165240
30	8100779	1	SHFT\IDLER\CNVYR
31	8100780	1	SHFT\DRIVE\76\CNVYR
32	8100781	2	MNT\CNVYR\3\BRK for SN 26BJ125240 to 26BJ165240
	8101048	2	MNT\CNVYR\3\BRK for SN 26BJ165340 and up
33	8101061	1	CNVYR\FRM\70-1/2\HEAVY for SN 010120 to 26BJ165240
	8101049	1	CNVYR\FRM\70-1/2 for SLAT 8101053 for SN 26BJ165340 and up
34	8100783	1	BRKT\SHAFT\IDLER\CNVYR
35	8101022	1	BRKT\SHAFT\IDLER\CNVYR
51	1000029	2	SPKT\B\50\14\1\1/4KW
	1000233	2	SPKT\CPLNG\60\12\1\HT for SN 26BJ165340 and up
52	1100026	1	CHAIN\50DBL\13 for SN 26BJ125240 to 26BJ165240
53	1100099	1	CHAIN\50DBL\CL for SN 26BJ125240 to 26BJ165240
52 & 53	1100240		CHAIN\60\12\CPLNGW-CL for SN 26BJ165340 and up
54	3900025	1	MTR\HYD\17.9\HA\MNT\7\8\FOR\1SFT
55	6200014	1	KEY\SQ\1/4X1-1/4
56	6200011	1	KEY\WDF\1/4X1\#15\808
	8101054		CNVYR\ASSY\3CH\SN165340+ (for SN 165340 and up)
	NOT SHOWN		
	8100799		CNVYR\ASSY\3CH\70-1/2 (for SN 165339 and Below)

MAIN FRAME ASSEMBLY



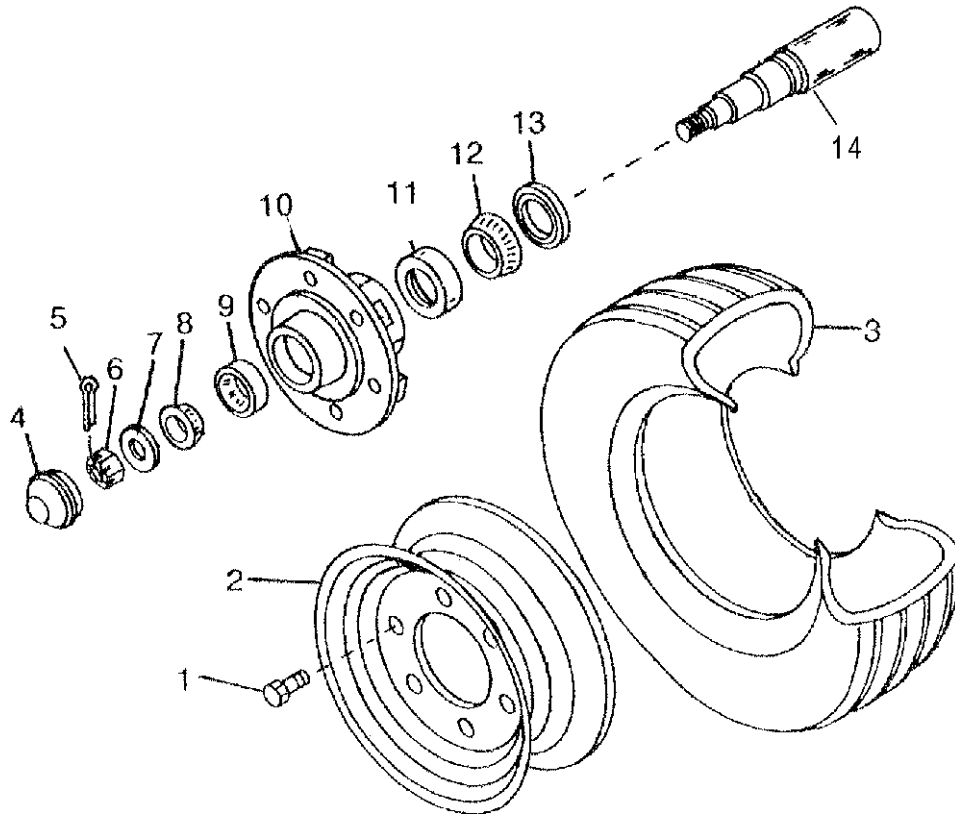
MAIN FRAME ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	2001041	2	BRG\CYL\1-3/4W-ECC
2	2600624	2	15 X 8 6-BOLT WHEEL
3	2900069	2	HUB\6BOLT\631\COMP
4	3600334	1	COMPLETE PTO 44R
5	3600339	1	JOINT\ASSY\55R\TELE\COMP
6	4700777	5	CLMP\HOSE\1/2
7	4800068	1	BOLT\HEX\1/2X3
8	4800082	1	BOLT\HEX\1/2X1-1/2
9	4800098	2	BOLT\HEX\3/8X1-1/4\NC
10	4800146	3	BOLT\HEX\3/8X2
11	4800156	1	BOLT\HEX\3/8X3
12	4800178	8	BOLT\HEX\1/2X1-3/4
13	4800248	2	BOLT\HEX\3/4X6
14	4800302	2	SCR\PAN\SLOT\1/4X1/2\NC
15	4800350	8	BOLT\HEX\5/8X2-1/4
16	4800562	1	BOLT\HEX\3/4X5\GR8\NC
17	4800574	4	SCR\RD\SLOT\#10-24X1/2
18	4800587	2	SCR\RD\SLOT\#10-24X1
19	4800592	2	BOLT\HEX\1/2X3-1/4
20	4900001	9	NUT\HEX\1/2\NC
21	4900002	4	NUT\HEX\3/8\NC
22	4900005	8	NUT\HEX\5/8\NC
23	4900014	3	NUT\TPLCK\1/2\NC
24	4900023	2	NUT\TPLCK\3/8\NC
25	4900072	6	NUT\HEX\#10\NC
26	4900084	2	NUT\TPLCK\1/4\NC
27	4900139	3	NUT\TPLCK\3/4\GR8\NC
28	5000001	4	WASH\FLAT\3/8
29	5000003	8	WASH\LOCK\5/8
30	5000004	1	WASH\FLAT\1/2
31	5000006	9	WASH\LOCK\1/2
32	5000019	4	WASH\LOCK\3/8
33	5000071	6	WASH\LOCK;EXT\STAR\#10
34	5800623	1	JACK\5000LB\SWIVEL-STYLE
35	6200020	3	KEY\SQ\3/8X2-1/4\HARDEND
36	7500170	1	HOSE MINDER
37	7500360	4	GROMMET 1.75IDX.25MT
38	7501047	1	HITCH\BASE\#3\PP\1"PIN
39	7501048	1	HITCH\CLEV\IS\PP\1"PIN
40	7501049	2	CUSH\RB\BR\7/8"ODX1/2"T
41	8100597	1	SHAFT\CONVERSION KIT\P.T.O. FRONT
42	8100761	2	SPNDL\BOLTON\MAIN FRM
43	8100772	1	MNT\BRG\PTO
44	8100957	1	SHLD\PTO\46"
45	8100961	2	BRKT\CATCH\SHLD\PTO
46	8100990	1	MNFRM\2640
47	8101003	1	MAINFRAME\ASSY
48	8101004	1	MNT\STD\BRG\CHNNL
49	2000808	2	LOCK COLLAR included in 2001041
50	2600046	2	TIRE\12.5LX15\8PLY\IMPLEMENT RIB
50	2600041		TIRE\31X10.5X15 HIGHWAY TIRE
51	7500606	2	LATCH\RB\BR\6
52	D1014513	1	WELDMNT\CROSS MEMBER
	8100846		MNT\BRG\ASSY\W-ECC (includes 1, 43, & 49)
	5800604		WELD ON BELL

MAIN FRAME ASSEMBLY - DETAIL A

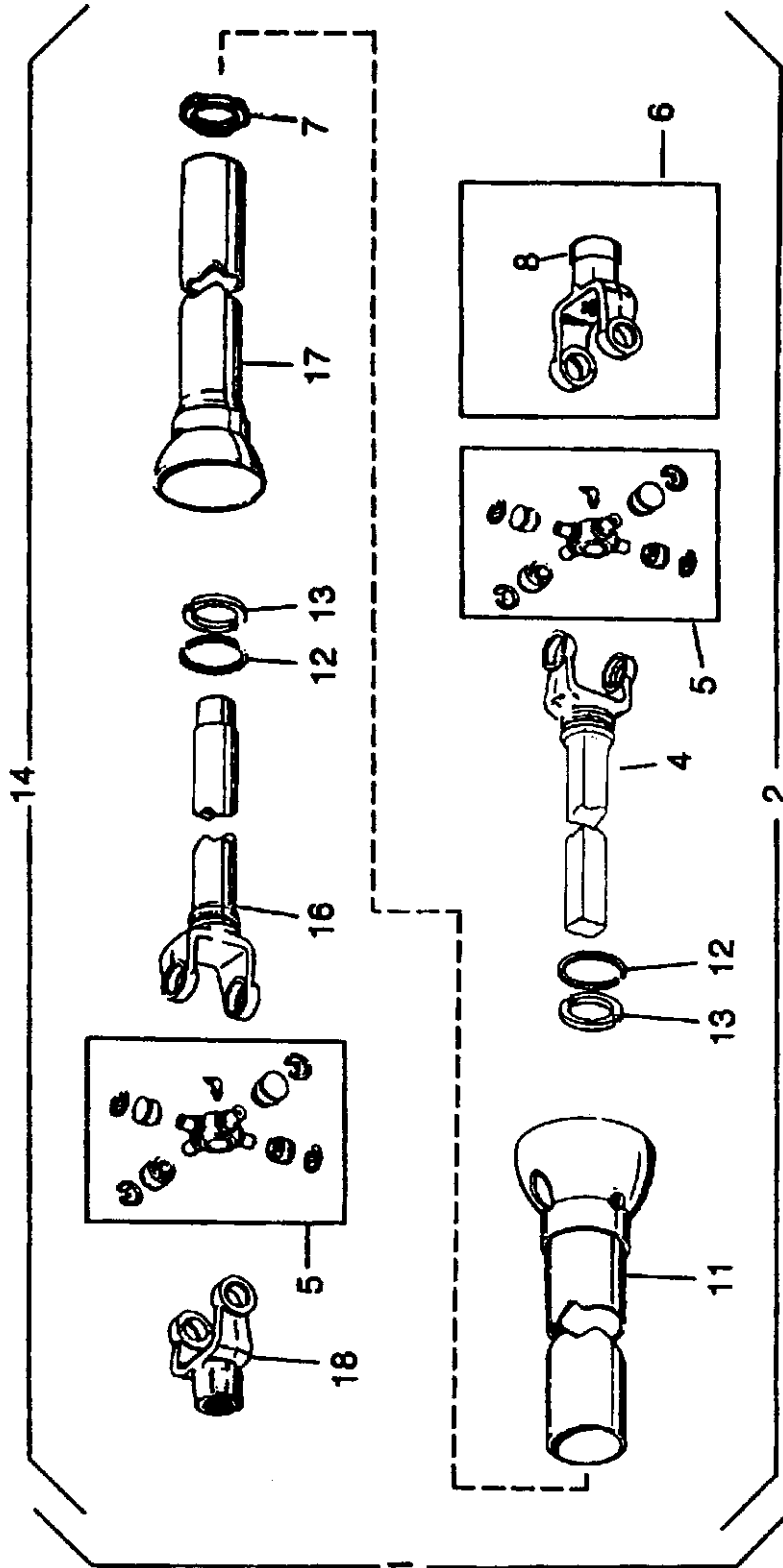
ITEM	PART NO.	QTY.	DESCRIPTION
1	2001041	2	BRG\CYL\1-3/4\W-ECC
2	2600624	2	15 X 8 6-BOLT WHEEL
3	2900069	2	HUB\6BOLT\631\COMP
4	3600334	1	COMPLETE PTO 44R
5	3600339	1	JOINT\ASSY\55R\TELE\COMP
6	4700777	5	CLMP\HOSE\1/2
7	4800068	1	BOLT\HEX\1/2X3
8	4800082	1	BOLT\HEX\1/2X1-1/2
9	4800098	2	BOLT\HEX\3/8X1-1/4\NC
10	4800146	3	BOLT\HEX\3/8X2
11	4800156	1	BOLT\HEX\3/8X3
12	4800178	8	BOLT\HEX\1/2X1-3/4
13	4800248	2	BOLT\HEX\3/4X6
14	4800302	2	SCR\PAN\SLOT\1/4X1/2\NC
15	4800350	8	BOLT\HEX\5/8X2-1/4
16	4800562	1	BOLT\HEX\3/4X5\GR8\NC
17	4800574	4	SCR\RD\SLOT\#10-24X1/2
18	4800587	2	SCR\RD\SLOT\#10-24X1
19	4800592	2	BOLT\HEX\1/2X3-1/4
20	4900001	9	NUT\HEX\1/2\NC
21	4900002	4	NUT\HEX\3/8\NC
22	4900005	8	NUT\HEX\5/8\NC
23	4900014	3	NUT\TPLCK\1/2\NC
24	4900023	2	NUT\TPLCK\3/8\NC
25	4900072	6	NUT\HEX\#10\NC
26	4900084	2	NUT\TPLCK\1/4\NC
27	4900139	3	NUT\TPLCK\3/4\GR8\NC
28	5000001	4	WASH\FLAT\3/8
29	5000003	8	WASH\LOCK\5/8
30	5000004	1	WASH\FLAT\1/2
31	5000006	9	WASH\LOCK\1/2
32	5000019	4	WASH\LOCK\3/8
33	5000071	6	WASH\LOCK;EXT\STAR\#10
34	5800623	1	JACK\5000LB\SWIVEL-STYLE
35	6200020	3	KEY\SQ\3/8X2-1/4\HARDEND
36	7500170	1	HOSE MINDER
37	7500360	4	GROMMET 1.75IDX.25MT
38	7501047	1	HITCH\BASE\#3\PP\1"PIN
39	7501048	1	HITCH\CLEVIS\PP\1"PIN
40	7501049	2	CUSH\RRBBR\7/8"ODX1/2"T
41	8100597	1	SHAFT\CONVERSION KIT\P.T.O. FRONT
42	8100761	2	SPNDL\BOLTON\MAIN FRM
43	8100772	1	MNT\BRG\PTO
44	8100957	1	SHLD\PTO\46"
45	8100961	2	BRKT\CATCH\SHLD\PTO
46	8100990	1	MNFRM\2640
47	8101003	1	MAINFRAME\ASSY
48	8101004	1	MNT\STD\BRG\CHNNL
49	2000808	2	LOCK COLLAR included in 2001041
50	2600046	2	TIRE\12.5LX15\8PLY\IMPLEMENT RIB
50	2600041	2	TIRE\31X10.5X15 HIGHWAY TIRE
51	7500606	2	LATCH\RRBBR\6
52	D1014513	1	WELDMNT\CROSS MEMBER
	8100846		MNT\BRG\ASSY\W-ECC (includes 1, 43, & 49)
	5800604		WELD ON BELL

WHEEL AND BEARING



WHEEL AND BEARING

ITEM	PART NO.	QTY.	DESCRIPTION
1	2900012	6	Wheel Bolts, Per Hub
2	2600624	2	Wheel, 15" x 10 6-Bolt
3	2600041	2	Tire\31X10.5X15 Highway Tire
3	2600046	2	Tire\12.5LX15\8Ply\Implement Rib
4	2900013	1	Cap
5	4800157	1	Pin\Cotter\3\16X2
6	4900054	1	Nut, Castle, 7/8, nf
7	5000055	1	Washer, Spindle, 7/8 Flat
8	2900018	1	Cone, Outer
9	2900004	1	Cup, Outer
10	NA	1	Order 2900069
11	2900006	1	Cup, Inner
12	2900007	1	Cone, Inner
13	2900008	1	Grease Seal
	2900069		Hub Complete (includes 1,4,5,6,7,8,9,10,11,12,13)
	2600823		Whl\Hwy\Kit\31X10.5X15 Tire & Rim (includes 2 and 3)
	2600841		Wheel\Imp\12.5L15\Tire&Rim (includes 2 and 3)
	D1010828		SPNDL\2640&2620\2X10-5/8

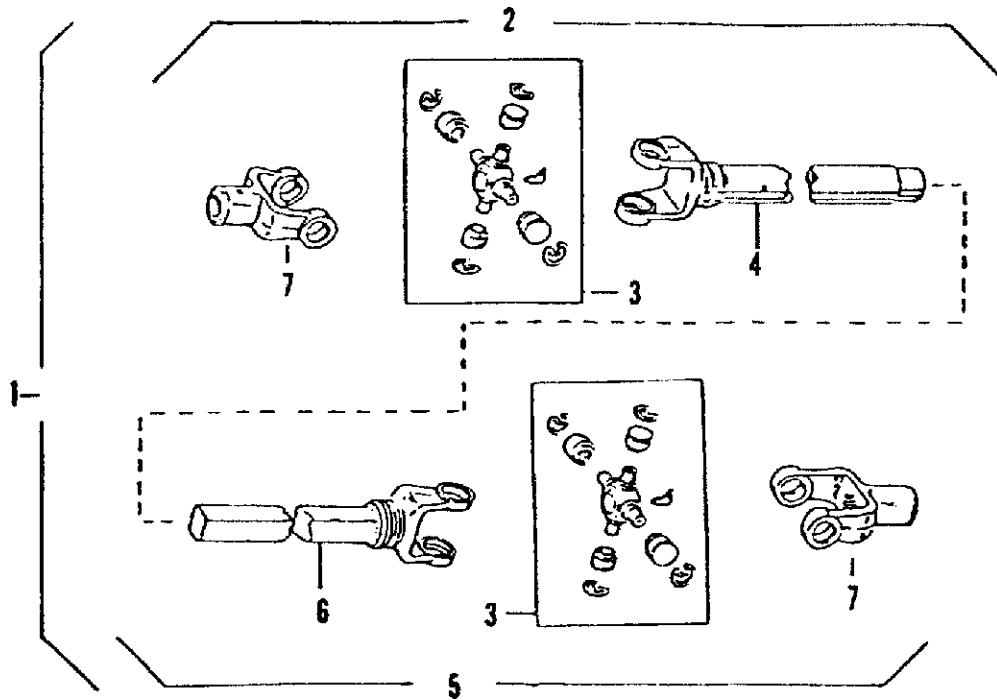


PTO #3600334 & 3600459

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	3600334	PTO\252-19210\DS\45
2	1	3600361	JOINT & SHAFT ASY W\GUARD
4	1	3600364	YOKE & SHAFT 36-334
5	2	3600115	44R CROSS AND BEARING KIT
6	1	3600363	YOKE\44\21SPL\1-3/8 BORE\SAFETY SLIDE LOCK
		3600390	YOKE\44\20SPL\1-3/4BORE\SAFETY SLIDE LOCK
7	1	3600365	CENTRALIZER 36-334
8	1	3600271	SAFETY SLIDE LOCK REPAIR KIT
11	1	3600366	OUTER GUARD 36-334
12,13	2	3600093	BEARING RETAINER
14	1	3600362	JOINT & TUBE ASSY W\GUARD
16	1	3600368	YOKE,TUBE,SLIP SLEEVE
17	1	3600367	INNER GUARD 36-334
18	1	3600369	YOKE 36-334 2544
18,5		3600393	YOKE\CAST\W\CROSS&BRG

Note - Driveline shields have changed from steel to plastic. You can not mix steel and plastic guards. Order a full set of plastic guards if repairing a shaft with steel guards.

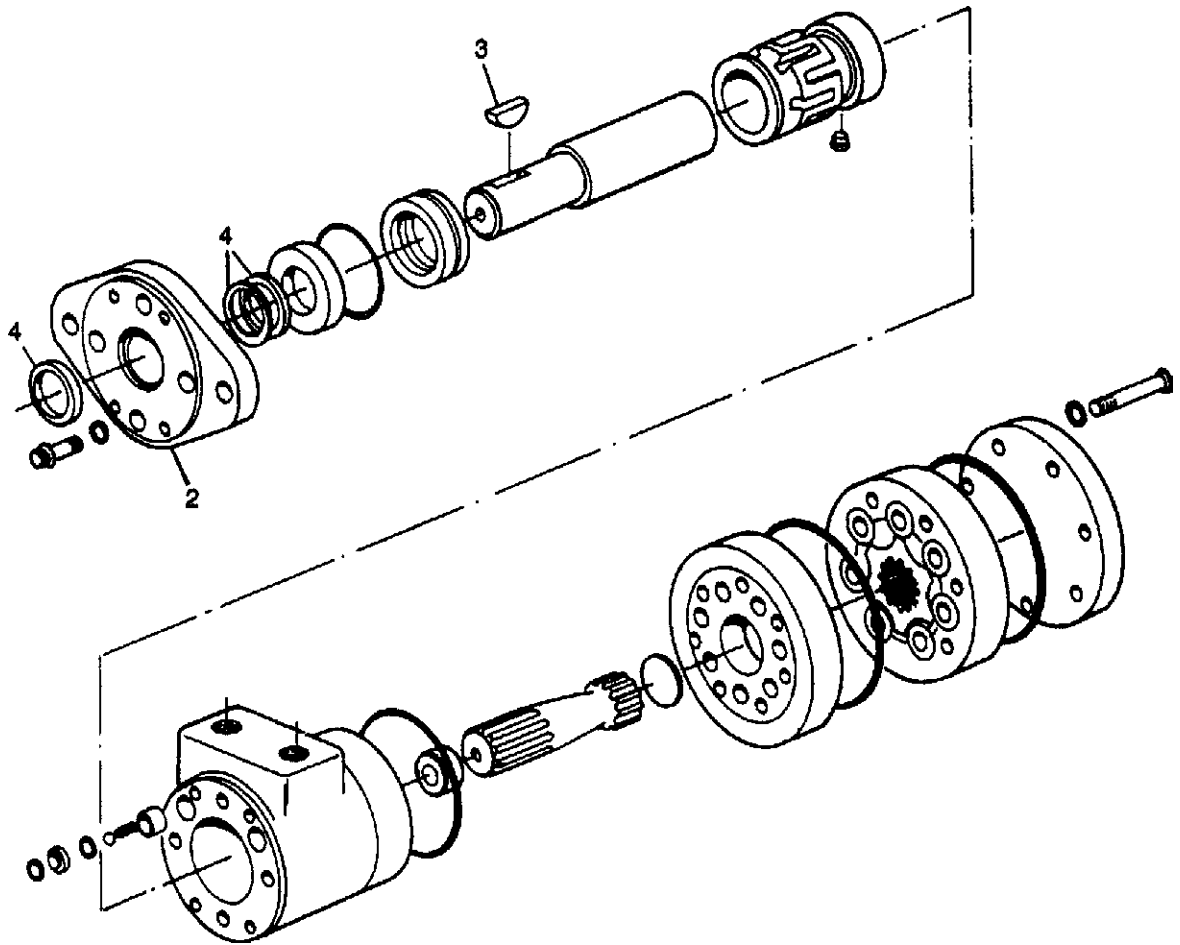
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	3600459	PTO\252-21797\44R\PLASTIC-GUARD
2, 7,12,13,&17	1	3600462	JONT & SHFT ASM W-GRD SET\ TRACTOR HALF
4	1	3600364	YOKE & SHAFT 36-334
5	2	3600115	44R CROSS AND BEARING KIT
6	1	3600363	YOKE\44\21SPL\1-3/8 BORE\SAFETY SLIDE LOCK
		3600390	YOKE\44\20SPL\1-3/4BORE\SAFETY SLIDE LOCK
7	1		CENTRALIZER
8	1	3600271	SAFETY SLIDE LOCK REPAIR KIT
11	1		OUTER GUARD
12,13	2		BEARING RETAINER
7, 11, 12, 13, & 17	2	3600460	GUARD\SET\PTO\3600459
14, 7, 11, 12, & 13	1	3600463	JONT & TUBE ASY W-GRD SET\ MACHINE HALF
16	1	3600368	YOKE,TUBE,SLIP SLEEVE
17	1		INNER GUARD
18	1	3600369	YOKE 36-334 2544
18,5		3600393	YOKE\CAST\W\CROSS&BRG



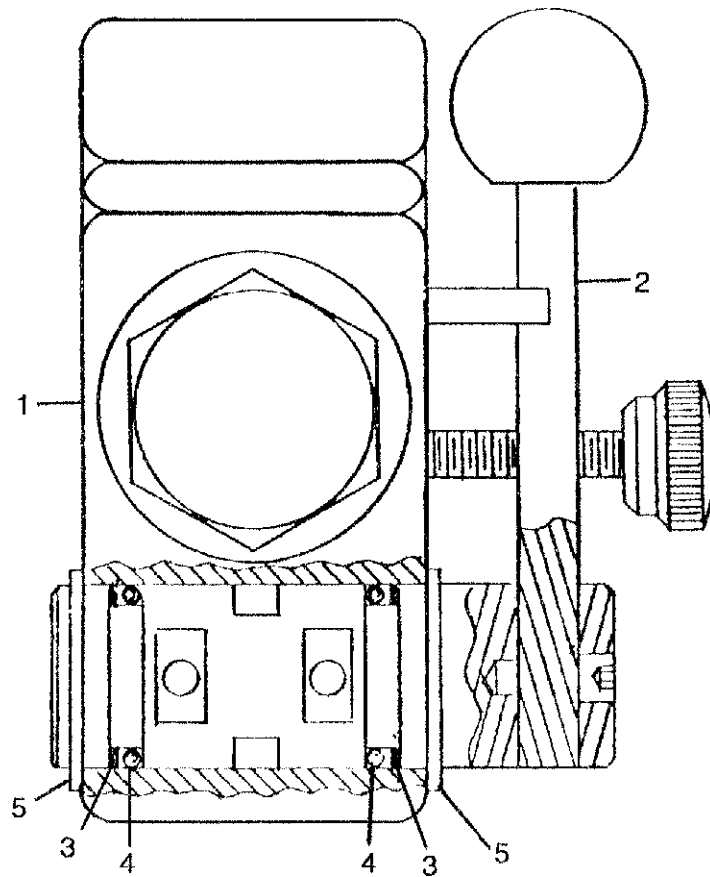
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	3600339	JOINT ASSY 55R TELECOMP
2	1	3600341	JOINT 55R TELESCOPING
3	2	3600013	CROSS & BEARING KIT 55W
4	1	3600344	TELESCOPING YOKE 3600339
5	1	3600340	JOINT 55RW-SHAFT
6	1	3600343	YOKE & SHAFT FOR 3600339
7	2	3600327	CLAMP YOKE 1-3/4" L55

ORBIT MOTOR

ITEM	PART NUMBER	QTY	DESCRIPTION
1	3900025		Mtr\Hyd\17.9\HA;MNT\7/8for o-ring thread
2	3900002	1	Mounting Flange
3	6200011	1	Key, Woodruff
4	7501038	1	Seal Kit

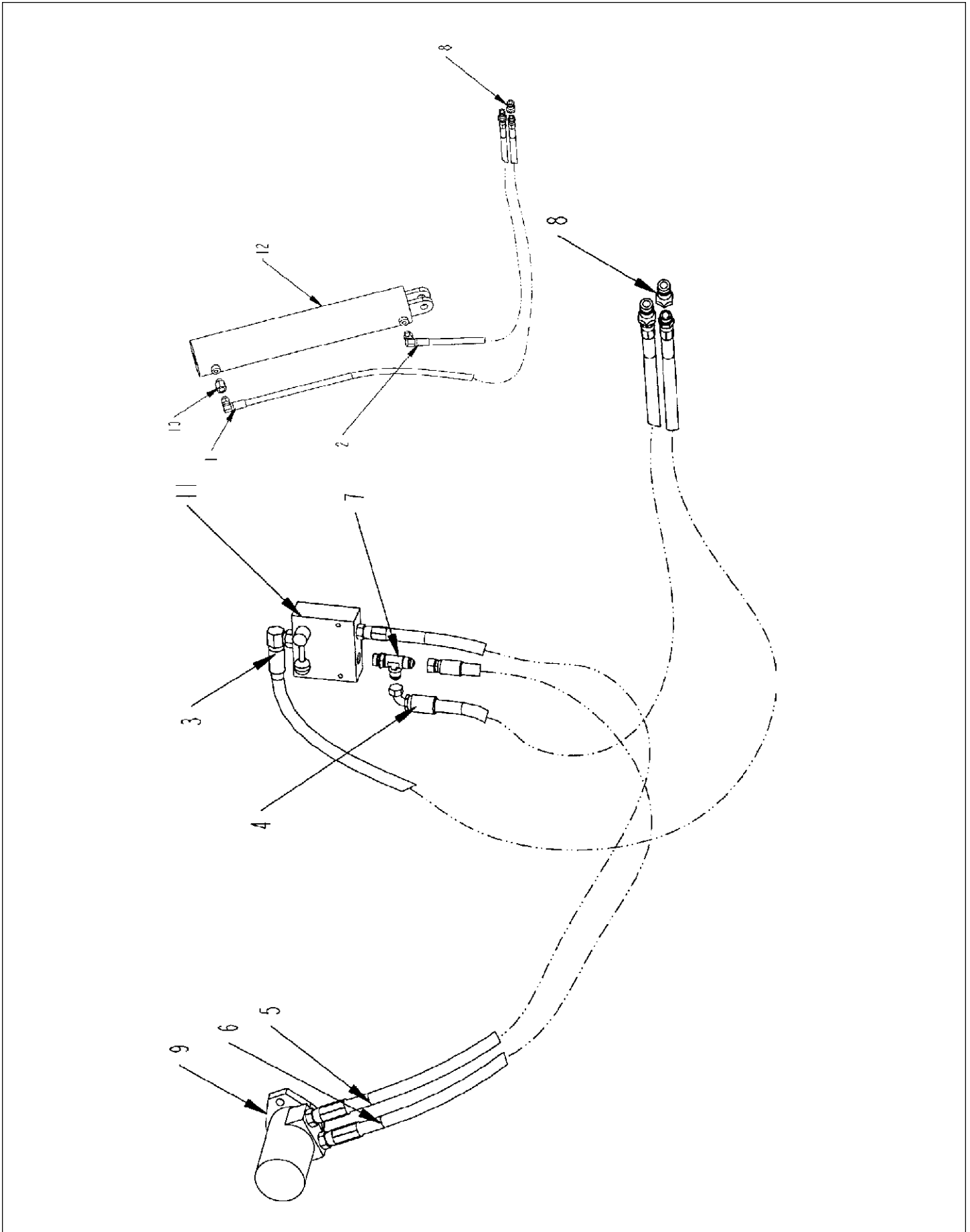


FLOW CONTROL VALVE



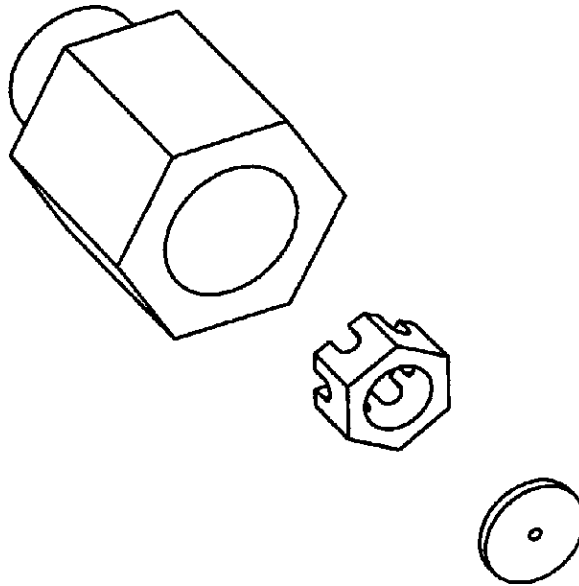
FLOW CONTROL VALVE

ITEM	PART NO.	QTY.	DESCRIPTION
1	4000213	1	Flow Control Valve, o-ring thread
2	4000031	1	Handle Assembly
3 & 4	4000091	1	SealKitFlowControl
5	4000034	2	Snap Ring

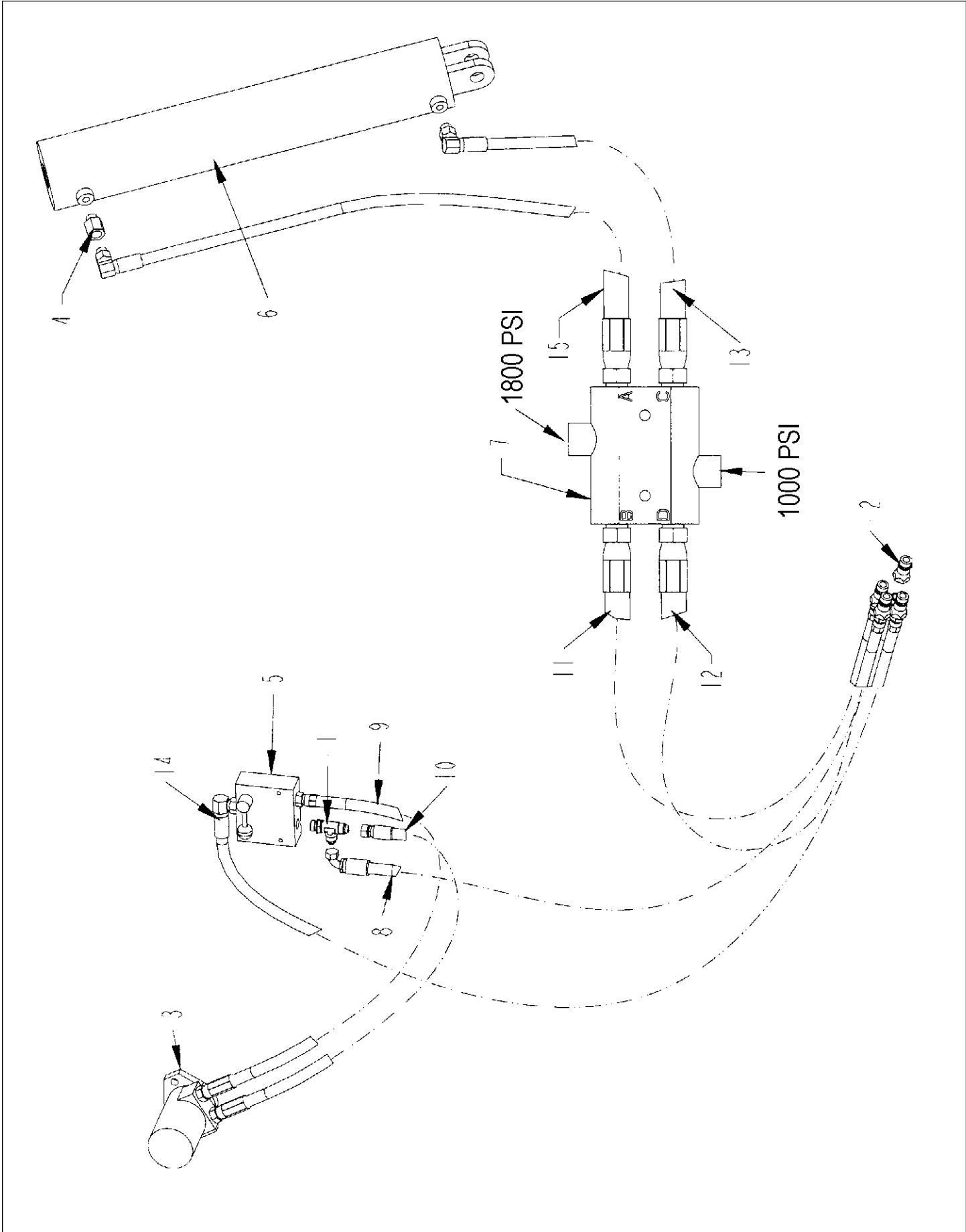


HYDRAULIC HOSES AND FITTINGS SN 26BJ125240 - 26BJ165340

ITEM	PART NO.	QTY.	DESCRIPTION
1	3700570	1	HOSE\HYD\1/2X275\MOR-MOR
2	3700571	1	HOSE\HYD\1/2X249\MOR-MOR
3	3700535	1	HOSE\HYD\1/2X141\MOR-MOR
4	3700536	1	HOSE\HYD\1/2X142\MOR-FJIC
5	3700537	1	HOSE\HYD\1/2X40\MOR-MOR
6	3700538	1	HOSE\HYD\1/2X38\MOR-FJIC
7	3800483	1	FTG\3/4\MORX3/4\MJICX3/4\MJIC\RUN;TEE
8	3800696	4	FTG\3/4\FOR\QUICK;CPLR\MALE
9	3900025	1	MOTOR\HYD\17.9\HAMNT\7/8\FOR\1SHFT
10	4000187	1	VALVE\HYD\F-CON\FREE-RVRS
11	4000213	1	VALVE\CONTROL\FLOW\3/4\FOR
12	4100201	1	CYL\LDR\2640
12A	4100214		SEAL KIT for 4100201
12B	4100242		CYL\ROD for 4100201

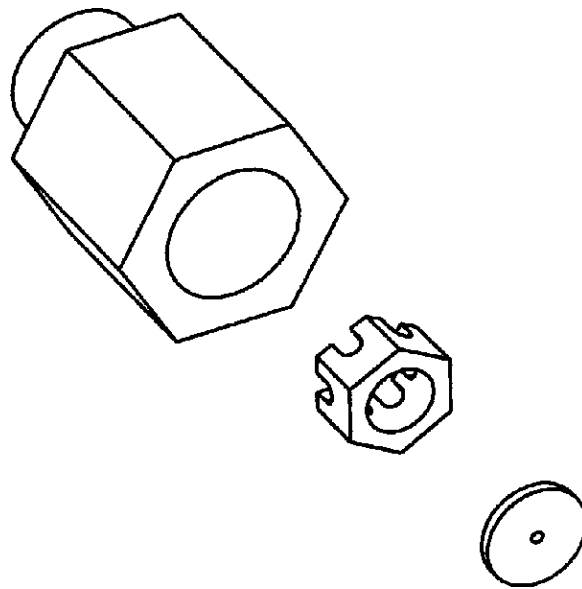


DETAIL 4000187



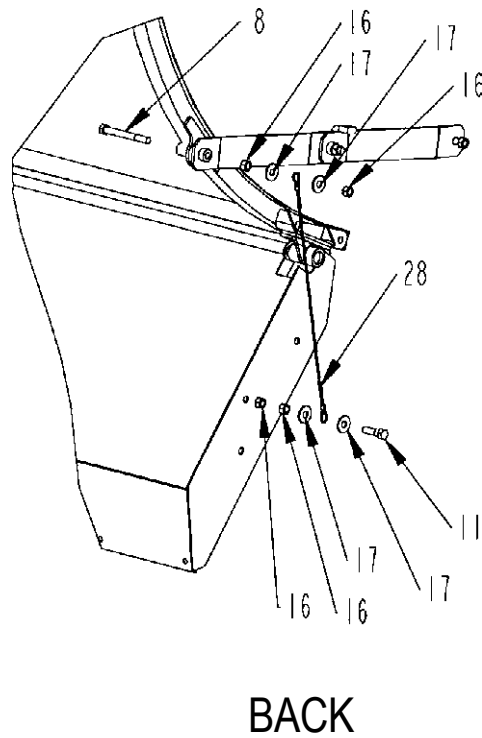
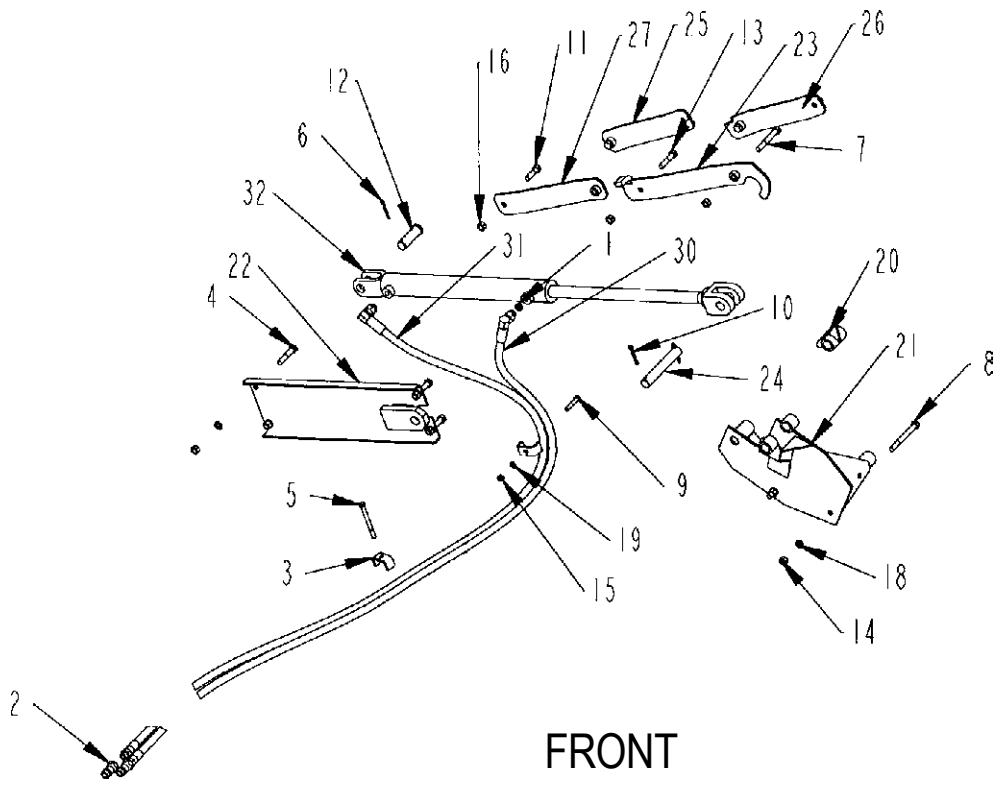
HYDRAULIC HOSES AND FITTINGS SN 26BJ165340 & UP

ITEM	PART NO.	QTY.	DESCRIPTION
1	3800483	1	FTG\3/4MORX3/4MJICX3/4MJIC\RUN;TEE
2	3800694	4	FTG\3/4FOR\QUICK;CPLR\FEMALE
3	3900025	1	MOTOR\HYD\17.9\HAMNT\7/8FOR\1SHFT
4	4000187	1	VALVE\HYD\F-CONF\FREE-RVRS
5	4000200	1	VALVE\CONTROL\FLOW\3/4MOR
6	4100201	1	CYL\HYD\4-1/2X24\1-3/4 SN up to 26BJ190240
	4100214		SEALKIT for 4100201
	4100242		CYL\ROD\4-1/2x24\1-3/4\ROD FOR RAM 4100201
6A	4100222		CYL\HYD\4-1/2X24\1-3/4 For SN 26BJ190340 and up
	4100223		SEAL KIT for 4100222
7	4000234	1	VALVE\RELIEF\CROSS\RC13BB
8	3700536	1	HOSE\HYD\1/2X142\MOR-90XFJIC
9	3700537	1	HOSE\HYD\1/2X40\7/8MOR-3/4MOR
10	3700538	1	HOSE\HYD\1/2X38\7/8MOR-3/4FJIC
11	3700604	1	HOSE\HYD\1/2X108\3/4MOR-3/4MORS
12	3700604	1	HOSE\HYD\1/2X108\3/4MOR-3/4MORS
13	3700605	1	HOSE\HYD\1/2X140\3/4MORS-3/4MORS90
14	3700605	1	HOSE\HYD\1/2X140\3/4MORS-3/4MORS90
15	3700606	1	HOSE\HYD\1/2X164\3/4MORS-3/4MORS90



DETAIL 4000187

OPTIONAL HYDRAULIC DEFLECTOR



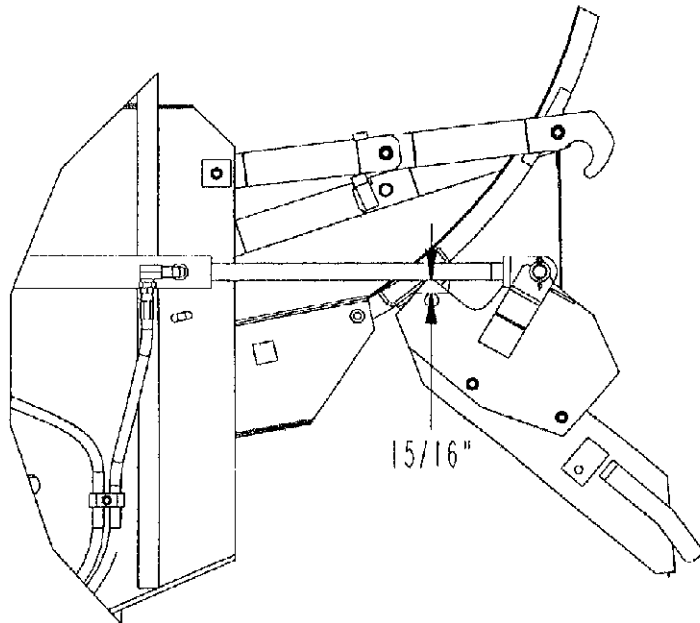
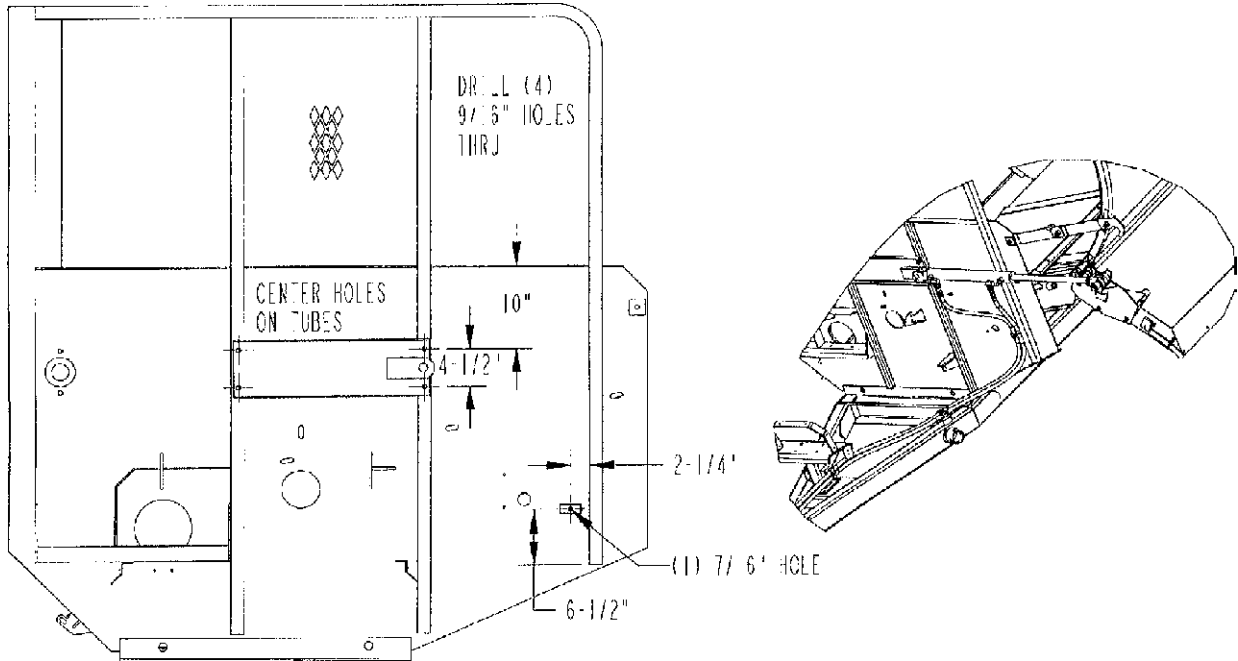
OPTIONAL HYDRAULIC DEFLECTOR

ITEM	PART NO.	QTY.	DESCRIPTION
1	3800683	1	FTG\3/4\MOR\ORFICE\3/64
2	3800694	2	FTG\3/4\FOR\QUICK\CPLR\MALE
3	4700777	3	CLMP\HOSE\1/2
4	4800070	4	BOLT\HEX\1/2X2-1/2
5	4800089	2	BOLT\HEX\3/8X4
6	4800120	1	PIN\COT\3/16X1-3/4
*7	4800135	1	BOLT\HEX\1/2X3-1/2
8	4800141	3	BOLT\HEX\1/2X4-1/2
9	4800146	1	BOLT\HEX\3/8X2
10	4800177	2	PIN\COT\1/4X1-3/4
11	4800178	1	BOLT\HEX\1/2X1-3/4
12	4800185	1	PIN\CLEVIS\1X3
*13	4800251	2	BOLT\HEX\1/2X2-1/4\NC
14	4900001	6	NUT\HEX\1/2\NC
15	4900002	1	NUT\HEX\3/8\NC
16	4900014	6	NUT\TPLCK\1/2\NC
17	5000004	4	WASH\FLAT\1/2
18	5000006	6	WASH\LOCK\1/2
19	5000019	1	WASH\LOCK\3/8
20	8100751	1	MNT\REAR\DFLCTR\II
21	8100823	1	BRKT\HYD\DFLCTR
22	8100824	1	MNT\CYL\HYD\DEFLECTOR
23	8100960	1	STRAP\RACK\HYD\DFLCTR
24	8100830	1	PIN\1"X6-1/2"(2) 1/4"HOLES
*25	8101030	1	STRAP\RACK\W-BUSHING
*26	8101011	1	RACK\STRAP\REAR\W-STOP
*27	8101030	1	STRAP\RACK\W-BUSHING
28	8100919	1	CABLE\1/8"X28"DFLCTR\HYD
28A	4800392	2	CBL\SLV\1/8
30	3700539	1	HOSE\HYD\1/2X162\MOR-MOR
31	3700539	1	HOSE\HYD\1/2X162\MOR-MOR
32	4100202	1	CYL\HYD\2"X18"1-1/4"ROD

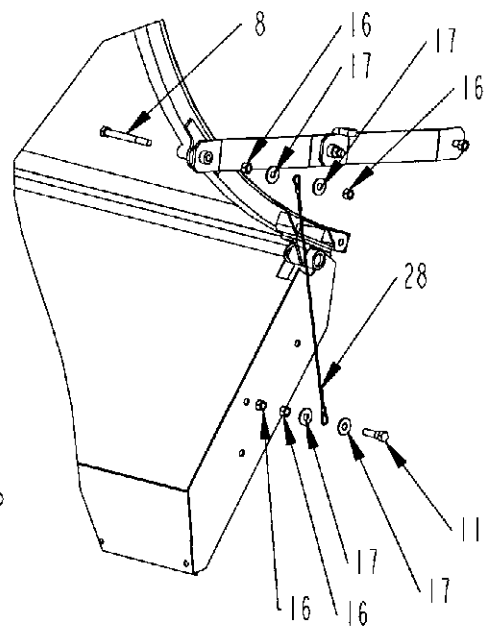
*Note - Items 7, 13, 25,26,and 27 are NOT included in this option kit.

They are included in the standard machine. They are shown for information only.

OPTIONAL HYDRAULIC DEFLECTOR - ASSEMBLY INSTRUCTIONS



FRONT



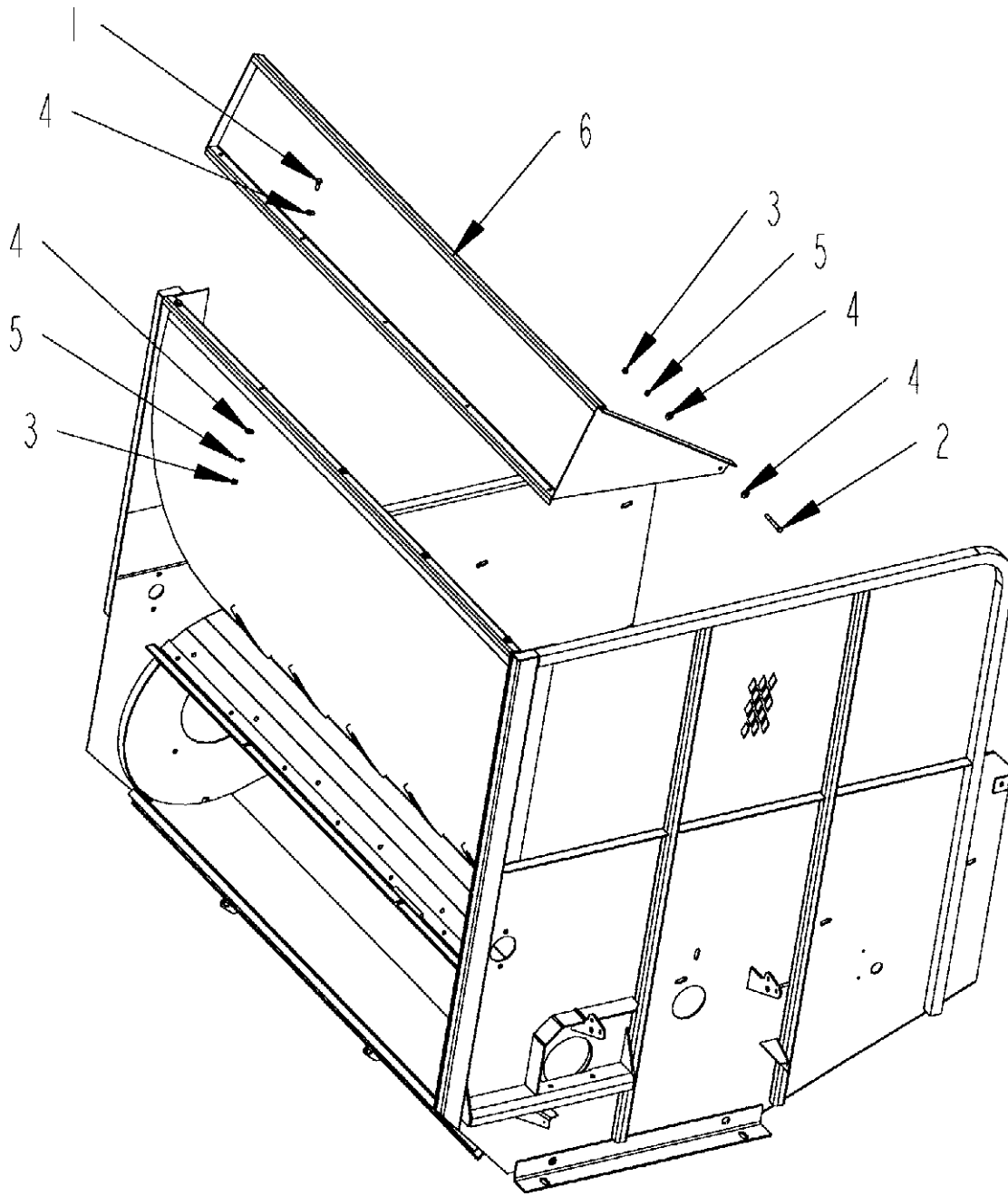
BACK

ASSEMBLY INSTRUCTIONS

HYDRAULIC DEFLECTOR KIT FOR 2640 8101017

- STEP 1.** With rack and deflector in working position, support the front of the deflector so the front mount can be removed. Remove deflector latch shield, lever, spring, adjusting bolt, and front mount. These parts will not be needed. Install deflector mount #8100751 using existing hardware.
- STEP 2.** Bolt the deflector cylinder mount #8100823 to the front of the deflector with (2) 1/2" x 4-1/2" bolts, lockwashers and nuts.
- STEP 3.** Remove the outer front rack strap and replace with strap #8100960. See drawing for mounting orientation. Bolt in place with (1) 1/2" x 3-1/2" bolt, (1) 1/2" x 2-1/4" bolt, and (2) 1/2" toplock nuts. Links must hinge freely! Use existing hardware.
- STEP 4.** Mark the location of the mounting holes on the front of the processor. See drawing. Check hole locations with cylinder mount #8100824. Drill (4) 9/16" holes through.
- STEP 5.** Mount the hydraulic cylinder on the cylinder mounting bracket #8100824 with 1"x 3" clevis pin and 1/4" x 1-3/4" cotter pin. Install the clevis pin so the head of the pin is against the processor.
- STEP 6.** Bolt the cylinder-mounting bracket #8100824 to the processor using the (4) holes drilled in step 5. Fasten bracket with (4) 1/2" x 2-1/2" bolts, lockwashers and nuts. Install bolts with heads to the inside of the processor.
- STEP 7.** Install the rod end of the hydraulic cylinder into the deflector cylinder mount, using #8100830 1"x 6-1/2" pin and (2) 1/4" x 1-3/4" cotter pins.
- STEP 8.** Install the restricting orifice #3800683 in the port on the rod end of the cylinder. Turn orifice into the port until it is "bottomed out" in the port.
- STEP 9.** Assemble the hoses, hose clamps, and quick-couplers, as shown on drawings. Allow enough slack in hydraulic hoses for full cylinder movement check before securing hose clamps.
- STEP 10.** With cylinder fully extended. Check the distance from the bottom of the cylinder rod to the top of the deflector pivot shaft, by holding a square against the front of the deflector. This distance should be no less than 15/16". If it is less than 15/16" shorten the cylinder length by loosening the clamping bolt and turning the clevis clockwise. (See Drawing)
- STEP 11.** With cylinder fully extended, install the deflector cable. Form a loop on one end of the cable by bending the cable #8100919 around a 1/2" bolt and crimping the cable sleeve #4800392. Bolt the loop to the deflector as shown. Thread the cable over the rack bolt and pull taut, mark the cable and crimp the other cable sleeve #8100919. Finish installation. (See Drawing).

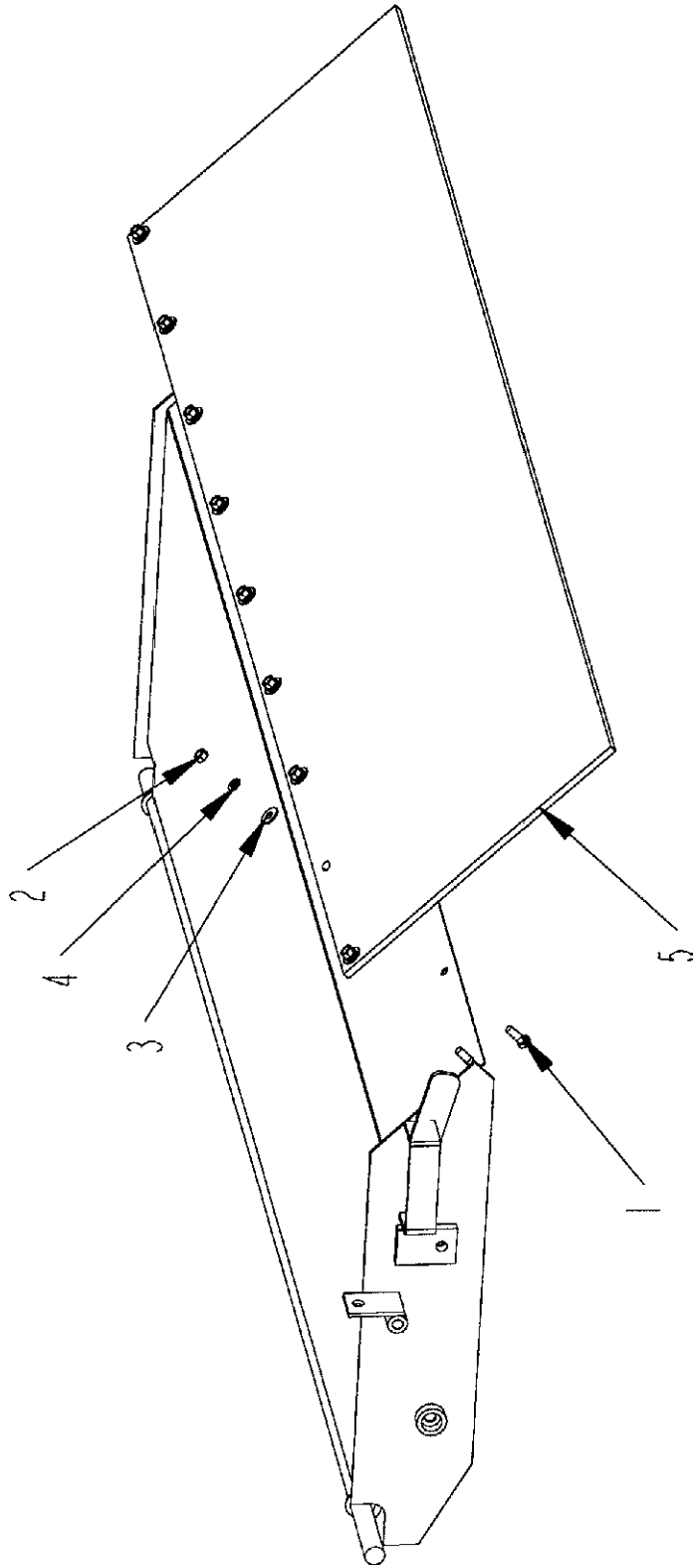
OPTIONAL SHREDDER EXTENSION



OPTIONAL SHREDDER EXTENSION

ITEM	PART NO.	QTY.	DESCRIPTION
1	4800003	5	BOLT\HEX\3/8X1
2	4800156	1	BOLT\HEX\3/8X3
3	4900002	6	NUT\HEX\3/8\NC
4	5000001	12	WASH\FLAT\3/8
5	5000019	6	WASH\LOCK\3/8
6	8100796	1	EXT\SHRDR\77-1/2

OPTIONAL WIDE DEFLECTOR BELT



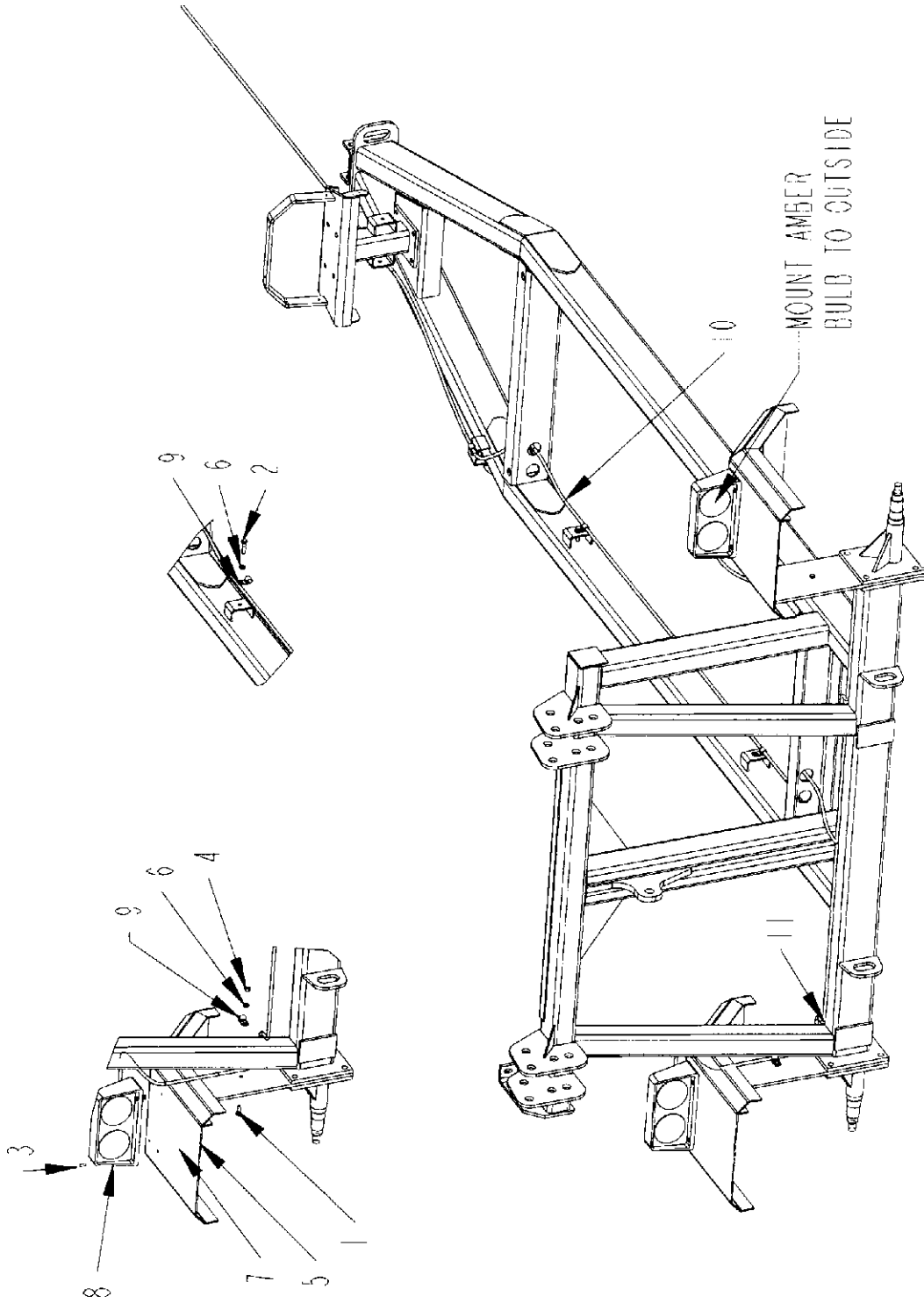
OPTIONAL WIDE DEFLECTOR BELT

ITEM	PART NO.	QTY.	DESCRIPTION
1	4800003	9	BOLT\HEX\3/8X1
2	4900002	9	NUT\HEX\3/8\NC
3	5000001	9	WASH\FLAT\3/8
4	5000019	9	WASH\LOCK\3/8
5	8100819	1	BELT\DFLCTR\73-3/4

OPTIONAL TAILLIGHT - STD. MOUNTING

ITEM	PART NO.	QTY.	DESCRIPTION
1	4800003	4	BOLT\HEX\3\8X1
2	4800277	8	BOLT\HEX\1\4X1
3	4900002	4	NUT\HEX\3\8\NC
4	4900009	8	NUT\HEX\1\4\NC
5	5000019	4	WASH\LOCK\3\8
6	5000024	8	WASH\LOCK\1\4
7	5700423	1	KIT\LIGHT
8	8100895	1	BRKT\TAILLIGHT\RH
9	8100896	1	BRKT\TAILLIGHT\LH

OPTIONAL TAILLIGHT - FENDER MOUNTING

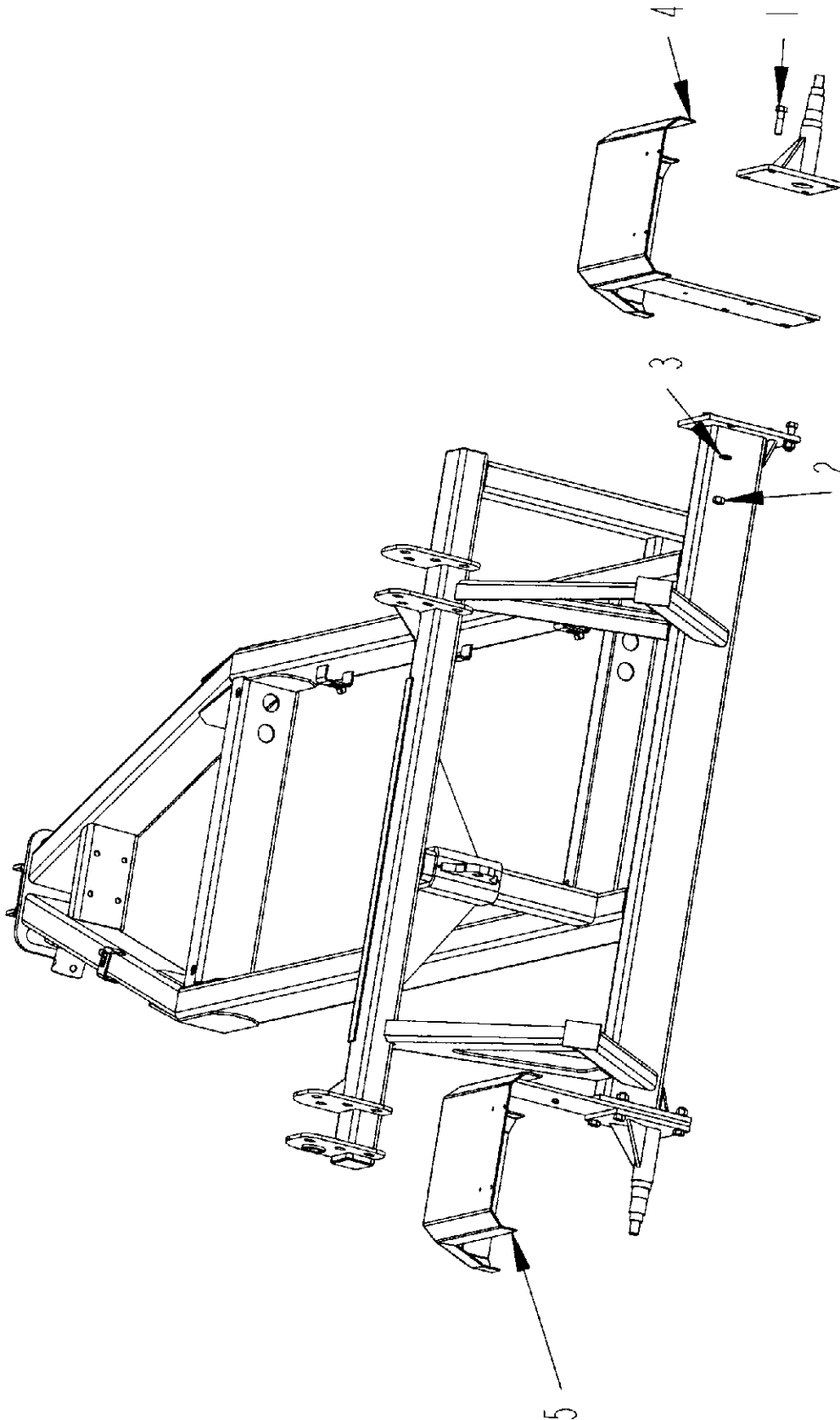


OPTIONAL TAILLIGHT - FENDER MOUNTING

ITEM	PART NO.	QTY.	DESCRIPTION
1	4800003	2	BOLT\HEX\3/8X1
2	4800034	4	BOLT\HEX\3/8X1-1/2
3	4800277	8	BOLT\HEX\1/4X1
4	4900002	2	NUT\HEX\3/8\NC
5	4900009	8	NUT\HEX\1/4\NC
6	5000019	6	WASH\LOCK\3/8
7	5000024	8	WASH\LOCK\1/4
8	5700423	1	KIT\LIGHT
9	7500713	7	CLAMP\CUSH\HD\1/2
10	7500835	25	LOOM\POLY\SPLIT\1/2
11	7500700	15	LOOM\POLY\SPLIT\3/8

Note - Mount taillights as far forward as possible to avoid contact with loader frame.

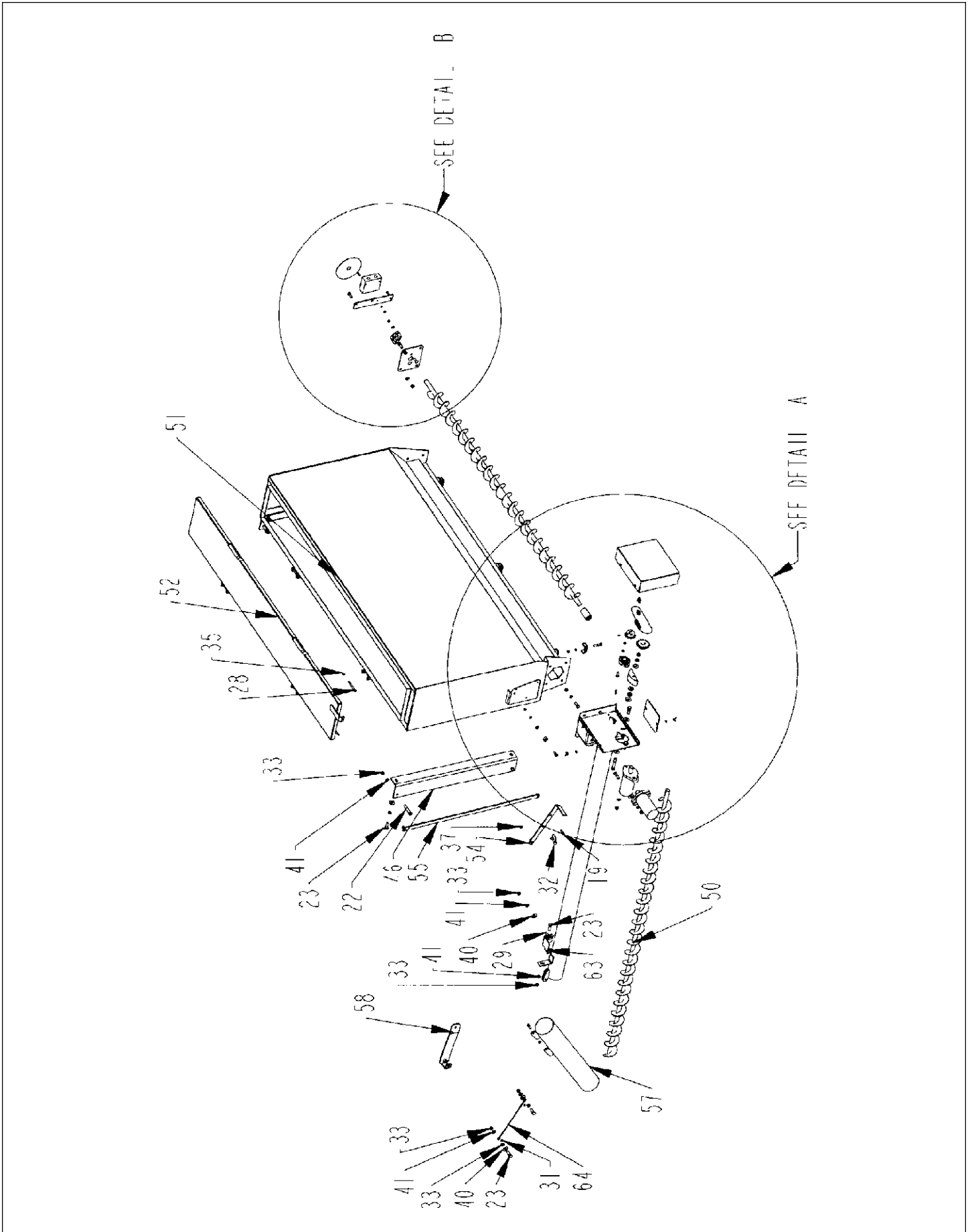
OPTIONAL FENDER



OPTIONAL FENDER

ITEM	PART NO.	QTY.	DESCRIPTION
1	4800350	8	BOLT\HEX\5/8X2-1/4
2	4900005	8	NUT\HEX\5/8\NC
3	5000003	8	WASH\LOCK\5/8
4	8100827	1	FNDR\RT
5	8100828	1	FNDR\L

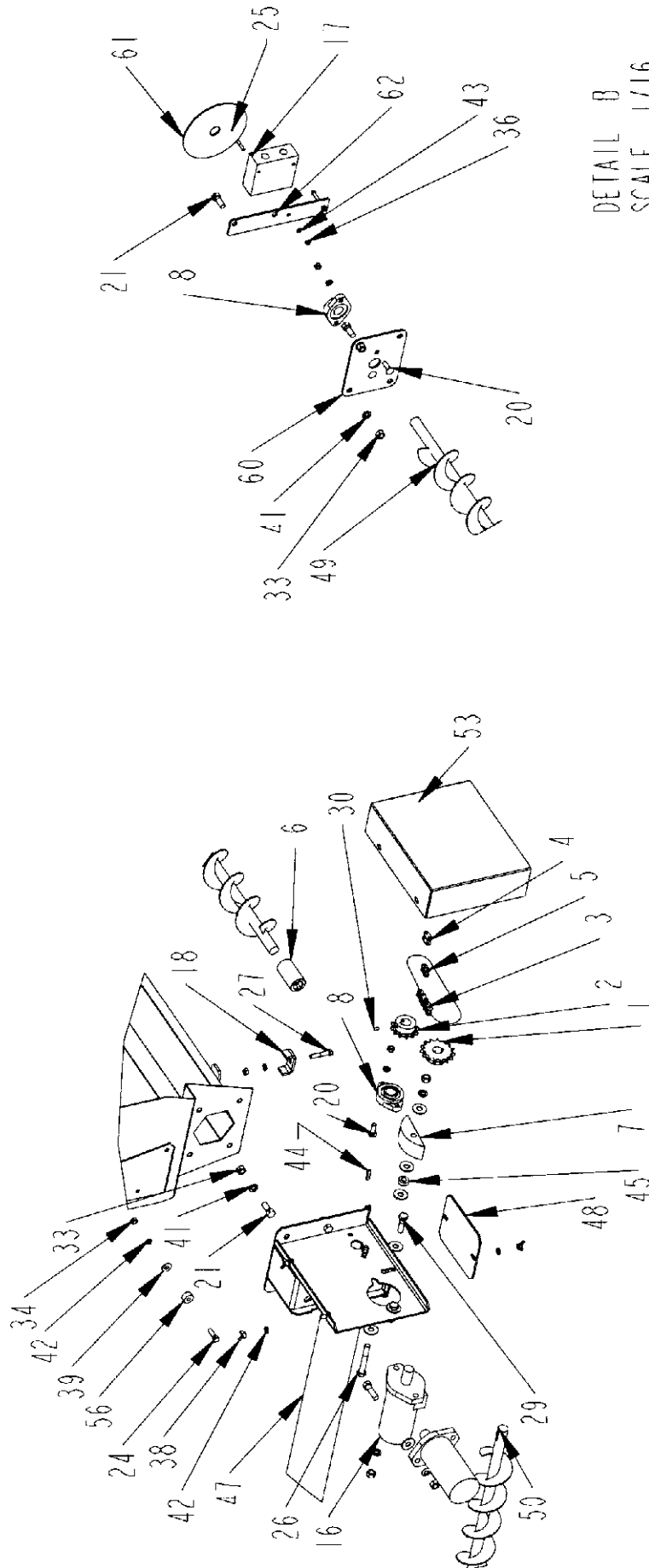
GRAIN TANK (OPTION) ASSEMBLY (O - RING)



GRAIN TANK (OPTION) ASSEMBLY PARTS LIST (O - RING)

ITEM	PART NO.	QTY.	DESCRIPTION
1	1000031	1	SPKT\50\B\15\1\1/4KW
2	1000055	1	SPKT\50\B\12\1\1/4KW
3	1100027	1	CHAIN\50\35
4	1100059	1	CHAIN\50\CL
5	1100060	1	CHAIN\50\OL
6	1400586	1	COUPLER\SHAFT\1" ID\3" LONG
7	2000016	1	BLK\WOOD\IDLER
8	2000310	2	BRG\FLG\CAST\1-1/4\2BOLT
9	3700540	1	HOSE\HYD\1/2X140\MOR-MOR
10	3700541	1	HOSE\HYD\1/2X148\MOR-FJIC
11	3700542	1	HOSE\HYD\1/2X97\MOR-MOR
12	3700543	1	HOSE\HYD\1/2X94\MOR-MOR
13	3700544	1	HOSE\HYD\1/2X18\MOR-MOR
14	3800483	1	FTG\3/4\MORX3/4\MJICX3/4\MJIC\RUN;TEE
15	3800694	2	FTG\3/4\FOR\QUICK;CPLR\FEMALE
16	3900003	2	M-208 ORBIT MOTOR
17	4000070	1	VALVE\CONTROL\FLOW
18	4700777	4	CLMP\HOSE\1/2
19	4800003	4	BOLT\HEX\3/8X1
20	4800012	4	BOLT\CRG\3/8X1-1/4\NC
21	4800018	8	BOLT\HEX\1/2X1-1/4
22	4800068	4	BOLT\HEX\1/2X3
23	4800082	7	BOLT\HEX\1/2X1-1/2
24	4800098	1	BOLT\HEX\3/8X1-1/4\NC
25	4800101	2	BOLT\HEX\1/4X2-1/2
26	4800135	1	BOLT\HEX\1/2X3-1/2
27	4800146	4	BOLT\HEX\3/8X2
28	4800170	2	BOLT\HEX\5/16X3-1/2
29	4800178	5	BOLT\HEX\1/2X1-3/4
30	4800290	4	SCR\SET\ALN\1/4X1/2\NC
31	4800392	2	CABLE CRIMP SLEEVE 1/8"
32	4800609	1	PIN\LYNCH\3/8X1-3/4\WW_U_WIRE;KEEPER
33	4900001	23	NUT\HEX\1/2\NC
34	4900002	9	NUT\HEX\3/8\NC
35	4900006	2	NUT\NYLCK\5/16\NC
36	4900009	2	NUT\HEX\1/4\NC
37	4900023	4	NUT\TPLCK\3/8\NC
38	4900032	4	NUT\WING\3/8\NC
39	5000001	1	WASH\FLAT\3/8
40	5000004	16	WASH\FLAT\1/2
41	5000006	25	WASH\LOCK\1/2
42	5000019	13	WASH\LOCK\3/8
43	5000024	2	WASH\LOCK\1/4
44	6200014	2	KEY\SQ\1/4X1-1/4
45	8100804	1	MNT\BSHMTRI\HYD
46	8100834	2	MNT\HPPR\GRAIN
47	8100836	1	AUG\ASSY\HPPR
48	8100838	1	PLT\AUG\CLEAN-OUT
49	8100841	1	AUG\HPPR\ASSY
50	8100842	1	AUG\REAR\ASSY
51	8100843	1	HOPPER\GRAIN\2620
52	8100844	1	HPPR\COVER\2620
53	8100845	1	SHLD\DRIVE\AUG\HPPR
54	8100867	1	BRKT\HANDLE\LID\HPPR
55	8100868	1	RD\CONNECTING\LID\HPPR
56	8100869	1	SPCR\1"ODX3/8"IDX1/2"LG
57	8100887	1	TUBE\EXT\AUG\HPPR\GRAIN
58	8100888	1	STRAP\RACK\REAR\HPPR\GRAIN
60	8100898	1	PLT\MNT\BRNG\AUG
61	8100899	1	BRKT\INDICATOR\AUG
62	8100906	1	PLT\MNT\VALVE\FLOW
63	8101015	1	BRKT\SUPPORT\AUGER\GRAIN TANK
64	8101031	1	CABLE\1/8"X20"12640

GRAIN TANK (OPTION) DETAILS #1 (O - RING)



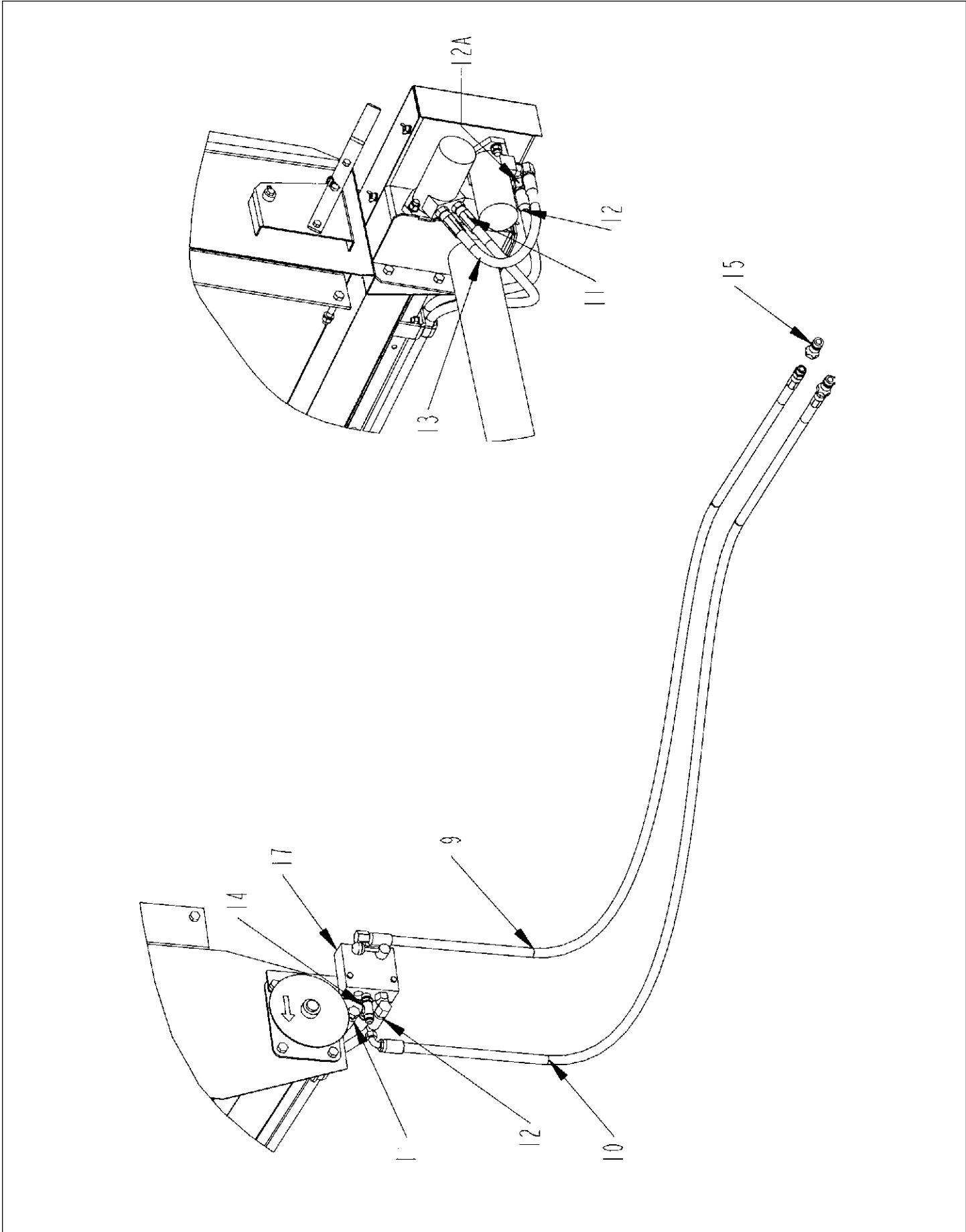
DETAIL B
SCALE 1/16

DETAIL A
SCALE 1/16

GRAIN TANK (OPTION) ASSEMBLY PARTS LIST (O - RING)

ITEM	PART NO.	QTY.	DESCRIPTION
1	1000031	1	SPKT\50\B\15\1\1\4KW
2	1000055	1	SPKT\50\B\12\1\1\4KW
3	1100027	1	CHAIN\50\35
4	1100059	1	CHAIN\50\CL
5	1100060	1	CHAIN\50\OL
6	1400586	1	COUPLER\SHAFT\1" ID\3" LONG
7	2000016	1	BLK\WOOD\IDLER
8	2000310	2	BRG\FLG\CAST\1-1/4\2BOLT
9	3700540	1	HOSE\HYD\1/2X140\MOR-MOR
10	3700541	1	HOSE\HYD\1/2X148\MOR-FJIC
11	3700542	1	HOSE\HYD\1/2X97\MOR-MOR
12	3700543	1	HOSE\HYD\1/2X94\MOR-MOR
12A	3800476	1	FTG\3/4\MORX3\4\MJIC\90
13	3700544	1	HOSE\HYD\1/2X18\MOR-MOR
14	3800483	1	FTG\3/4\MORX3\4\MJICX3\4\MJIC\RUN;TEE
15	3800694	2	FTG\3/4\FOR\QUICK;CPLR\FEMALE
16	3900033	2	MTR\HYD\101-1038\1\14.1CI
17	4000070	1	VALVE\CONTROL\FLOW
18	4700777	4	CLMP\HOSE\1/2
19	4800003	4	BOLT\HEX\3/8X1
20	4800012	4	BOLT\CRG\3/8X1-1/4\NC
21	4800018	8	BOLT\HEX\1/2X1-1/4
22	4800068	4	BOLT\HEX\1/2X3
23	4800082	7	BOLT\HEX\1/2X1-1/2
24	4800098	1	BOLT\HEX\3/8X1-1/4\NC
25	4800101	2	BOLT\HEX\1/4X2-1/2
26	4800135	1	BOLT\HEX\1/2X3-1/2
27	4800146	4	BOLT\HEX\3/8X2
28	4800170	2	BOLT\HEX\5/16X3-1/2
29	4800178	5	BOLT\HEX\1/2X1-3/4
30	4800290	4	SCR\SET\ALN\1/4X1/2\NC
31	4800392	2	CABLE CRIMP SLEEVE 1/8"
32	4800609	1	PIN\LYNCH\3/8X1-3/4\W/_U_WIRE;KEEPER
33	4900001	23	NUT\HEX\1/2\NC
34	4900002	9	NUT\HEX\3/8\NC
35	4900006	2	NUT\NYLCK\5/16\NC
36	4900009	2	NUT\HEX\1/4\NC
37	4900023	4	NUT\TPLCK\3/8\NC
38	4900032	4	NUT\WING\3/8\NC
39	5000001	1	WASH\FLAT\3/8
40	5000004	16	WASH\FLAT\1/2
41	5000006	25	WASH\LOCK\1/2
42	5000019	13	WASH\LOCK\3/8
43	5000024	2	WASH\LOCK\1/4
44	6200014	2	KEY\SQ\1/4X1-1/4
45	8100804	1	MNT\BSH\MTR\HYD
46	8100834	2	MNT\HPPR\GRAIN
47	8100836	1	AUG\ASSY\HPPR
48	8100838	1	PLT\AUG\CLEAN-OUT
49	8100841	1	AUG\HPPR\ASSY
50	8100842	1	AUG\REAR\ASSY
51	8100843	1	HOPPER\GRAIN\2620
52	8100844	1	HPPR\COVER\2620
53	8100845	1	SHLD\DRIVE\AUG\HPPR
54	8100867	1	BRKT\HANDLE\LID\HPPR
55	8100868	1	RD\CONNECTING\LID\HPPR
56	8100869	1	SPCR\1"ODX3/8"IDX1/2"LG
57	8100887	1	TUBE\EXT\AUG\HPPR\GRAIN
58	8100888	1	STRAP\RACK\REAR\HPPR\GRAIN
60	8100898	1	PLT\MNT\BRNG\AUG
61	8100899	1	BRKT\INDICATOR\AUG
62	8100906	1	PLT\MNT\VALVE\FLOW
63	8101015	1	BRKT\SUPPORT\AUGER\GRAIN TANK
64	8101031	1	CABLE\1/8"X20"2640

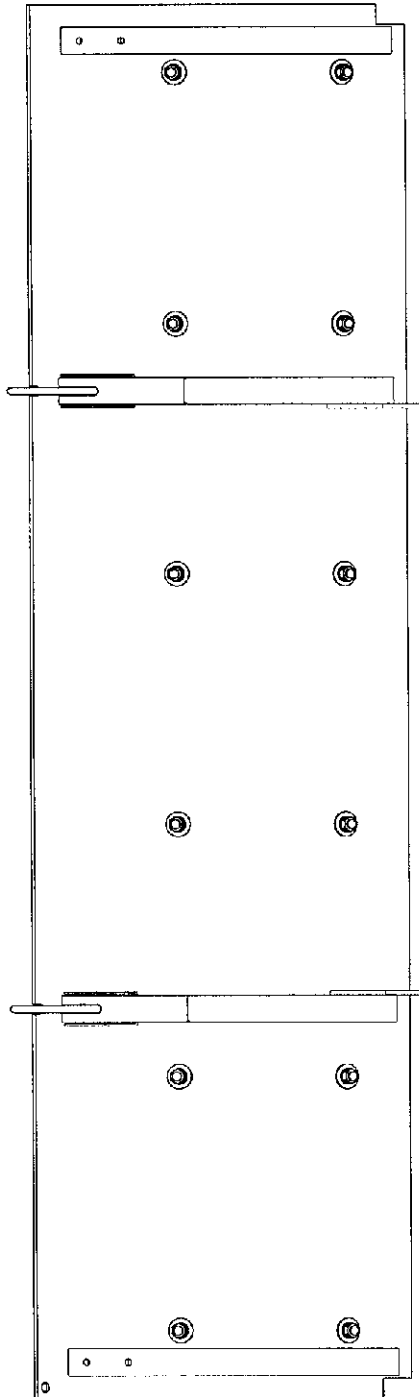
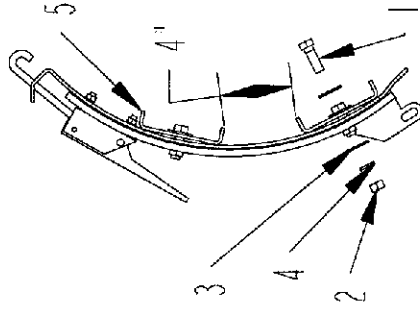
GRAIN TANK (OPTION) DETAILS #2 (O - RING)



GRAIN TANK (OPTION) ASSEMBLY PARTS LIST (O - RING)

ITEM	PART NO.	QTY.	DESCRIPTION
1	1000031	1	SPKT\50\B\15\1\1\4KW
2	1000055	1	SPKT\50\B\12\1\1\4KW
3	1100027	1	CHAIN\50\35
4	1100059	1	CHAIN\50\CL
5	1100060	1	CHAIN\50\OL
6	1400586	1	COUPLER\SHAFT\1" ID\3" LONG
7	2000016	1	BLK\WOOD\IDLER
8	2000310	2	BRG\FLG\CAST\1-1/4\2BOLT
9	3700540	1	HOSE\HYD\1/2X140\MOR-MOR
10	3700541	1	HOSE\HYD\1/2X148\MOR-FJIC
11	3700542	1	HOSE\HYD\1/2X97\MOR-MOR
12	3700543	1	HOSE\HYD\1/2X94\MOR-MOR
12A	3800476	1	FTG\3/4\MORX3\4\MJIC\90
13	3700544	1	HOSE\HYD\1/2X18\MOR-MOR
14	3800483	1	FTG\3/4\MORX3\4\MJICX3\4\MJIC\RUN;TEE
15	3800694	2	FTG\3/4\FOR\QUICK;CPLR\FEMALE
16	3900033	2	MTR\HYD\101-1038\1\14.1CI
17	4000070	1	VALVE\CONTROL\FLOW
18	4700777	4	CLMP\HOSE\1/2
19	4800003	4	BOLT\HEX\3/8X1
20	4800012	4	BOLT\CRG\3/8X1-1/4\NC
21	4800018	8	BOLT\HEX\1/2X1-1/4
22	4800068	4	BOLT\HEX\1/2X3
23	4800082	7	BOLT\HEX\1/2X1-1/2
24	4800098	1	BOLT\HEX\3/8X1-1/4\NC
25	4800101	2	BOLT\HEX\1/4X2-1/2
26	4800135	1	BOLT\HEX\1/2X3-1/2
27	4800146	4	BOLT\HEX\3/8X2
28	4800170	2	BOLT\HEX\5/16X3-1/2
29	4800178	5	BOLT\HEX\1/2X1-3/4
30	4800290	4	SCR\SET\ALN\1/4X1/2\NC
31	4800392	2	CABLE CRIMP SLEEVE 1/8"
32	4800609	1	PIN\LYNCH\3/8X1-3/4\W/_U_WIRE;KEEPER
33	4900001	23	NUT\HEX\1/2\NC
34	4900002	9	NUT\HEX\3/8\NC
35	4900006	2	NUT\NYLCK\5/16\NC
36	4900009	2	NUT\HEX\1/4\NC
37	4900023	4	NUT\TPLCK\3/8\NC
38	4900032	4	NUT\WING\3/8\NC
39	5000001	1	WASH\FLAT\3/8
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46	8100834	2	MNT\HPPR\GRAIN
47	8100836	1	AUG\ASSY\HPPR
48	8100838	1	PLT\AUG\CLEAN-OUT
49	8100841	1	AUG\HPPR\ASSY
50	8100842	1	AUG\REAR\ASSY
51	8100843	1	HOPPER\GRAIN\2620
52	8100844	1	HPPR\COVER\2620
53	8100845	1	SHLD\DRIVE\AUG\HPPR
54	8100867	1	BRKT\HANDLE\LID\HPPR
55	8100868	1	RD\CONNECTING\LID\HPPR
56	8100869	1	SPCR\1"ODX3/8"IDX1/2"LG
57	8100887	1	TUBE\EXT\AUG\HPPR\GRAIN
58	8100888	1	STRAP\RACK\REAR\HPPR\GRAIN
60	8100898	1	PLT\MNT\BRNG\AUG
61	8100899	1	BRKT\INDICATOR\AUG
62	8100906	1	PLT\MNT\VALVE\FLOW
63	8101015	1	BRKT\SUPPORT\AUGER\GRAIN TANK
64	8101031	1	CABLE\1/8"X20"2640

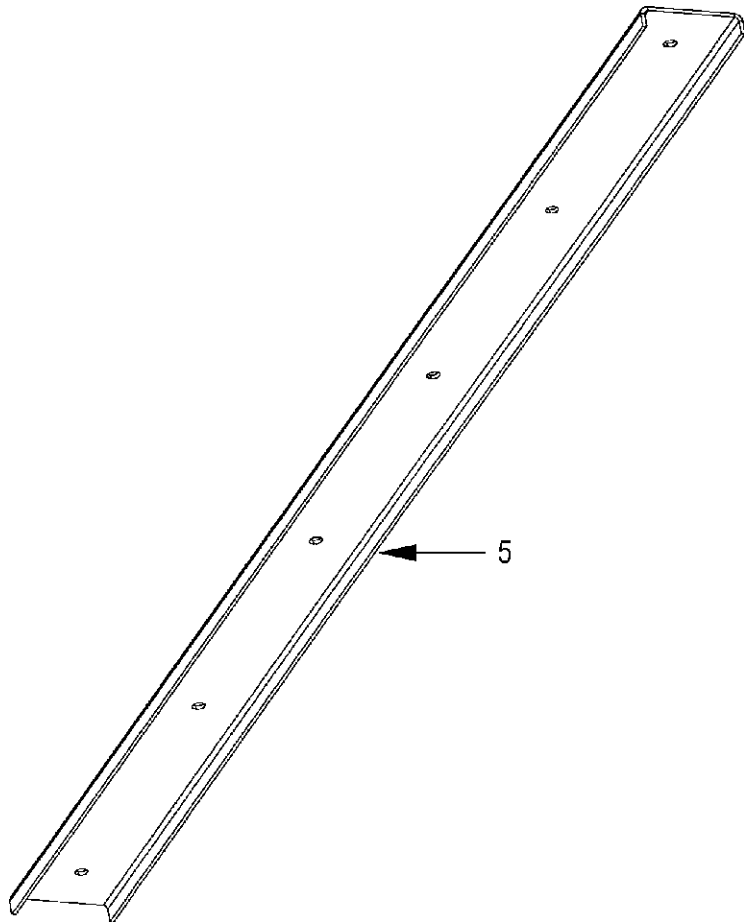
STRIPPER BAR (OPTION) INSTALLATION



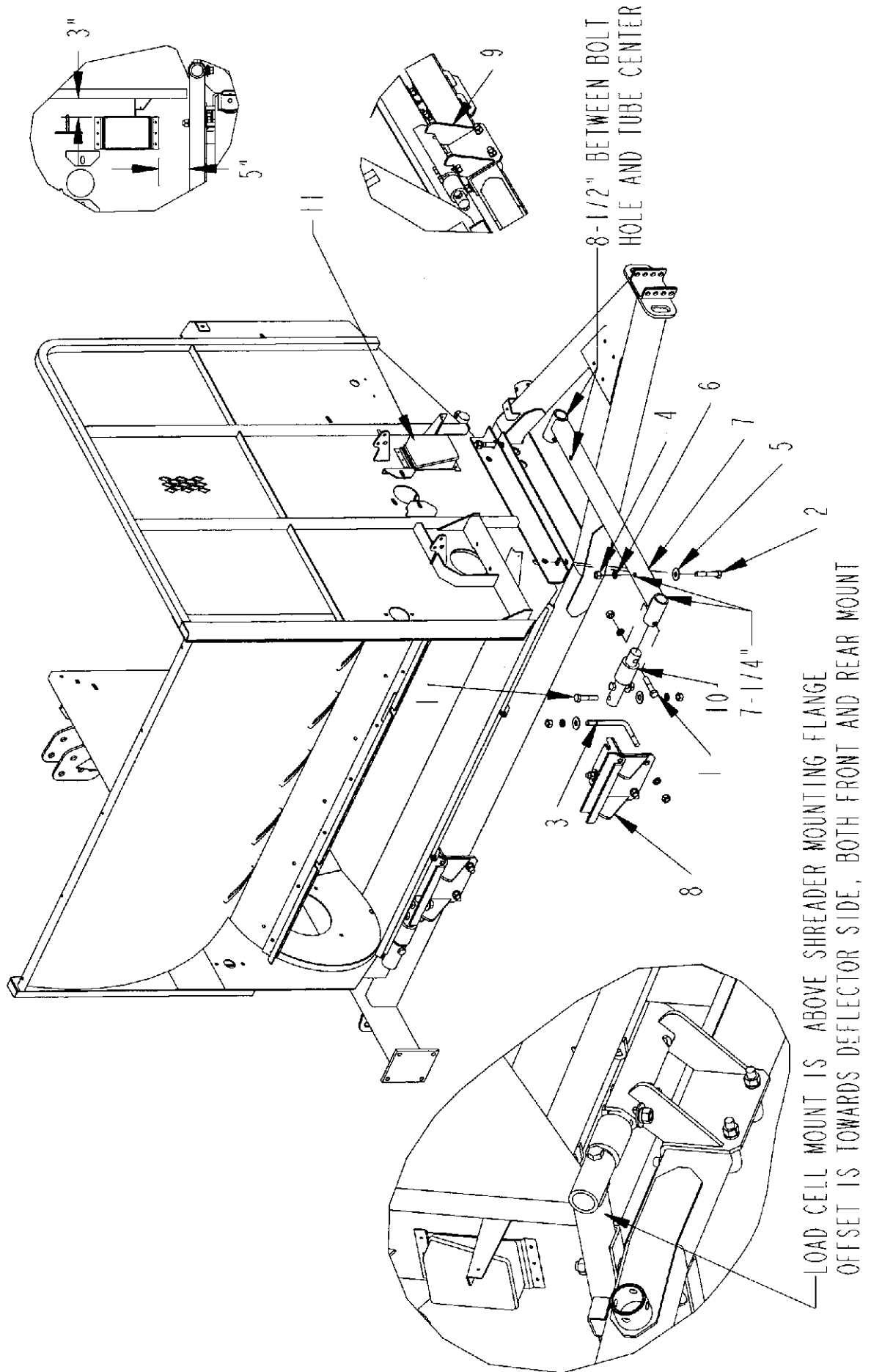
1. POSITION BARS AS SHOWN
2. CLAMP IN PLACE
3. DRILL (6) 9/16 HOLES PER BAR USING THE BAR AS A GUIDE.
4. ATTACH AS SHOWN USING LISTED HARDWARE

STRIPPER BAR (OPTION) INSTALLATION

ITEM	PART NO.	QTY.	DESCRIPTION
	8100973		CHNNLSTRPPRKIT
1	4800018	6	BOLT\HEX\1/2X1-1/4
2	4900001	6	NUT\HEX\1/2\NC
3	5000004	12	WASH\FLAT\1/2
4	5000006	6	WASH\LOCK\1/2
5	8100793	1	CHNNLSTRIPPER\SHREADER



WEIGH SCALE (OPTION)



WEIGH SCALE (OPTION)

ITEM	PART NO.	QTY.	DESCRIPTION
1	4800011	12	BOLT\HEX\3/4X3-1/2
2	4800063	4	BOLT\HEX\3/4X4
3	4800200	8	BOLT\L\3/4X5-1/4X8-1/4
4	4900004	32	NUT\HEX\3/4\NC
5	5000005	20	WASH\FLAT\3/4
6	5000012	32	WASH\LOCK\3/4
7	8100883	2	MNT\LOADCELL\SHREADER
8	8101034	2	MNT\RIGHT\LOADCELL\2640
9	8101035	2	MNT\LEFT\LOADCELL\2640
10	LOADCELL	4	Order 7500841
11	LOADCELL_JCTN_BOX	1	Order 7500841
	7500841		SCALE\LOAD;CELL
	8101019		SCALE\LOAD_CELL\KIT\2640

DECALS



1.



2.



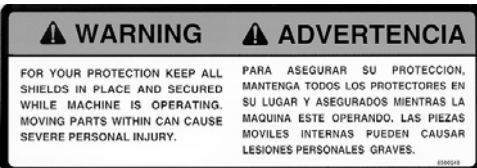
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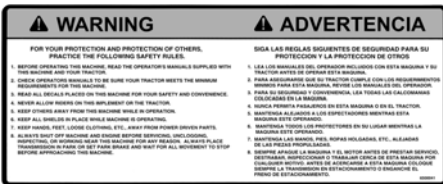
4.



6.



7.



8.



10.



12.



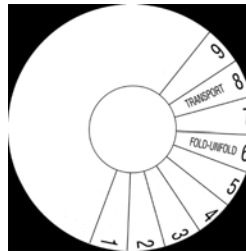
13.



14.



16.



15.



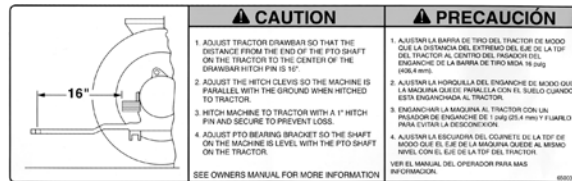
17.



18.

2640

19.



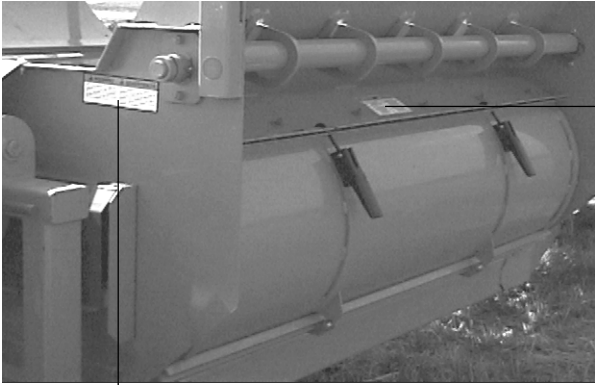
20.

DECALS

ITEM	PART NO.	QTY.	DESCRIPTION
	6500338		DECAL\KIT\2640
1	6500020	2	DECAL\LOGO\HYBST\SNBRS\3
2	6500034	2	DECAL\DNGR\FLYG;HAY\RACK
3	6500035	1	DECAL\DNGR\ROTATNG;FLAILS
4	6500036	1	DECAL\INFO\BALE;ROTATION;ARROW
5	6500038	1	DECAL\PATENT\#4,449,672
6	6500039	1	DECAL\INFO\S\NDURATECH
7	6500040	1	DECAL\WARN\SHIELD\PROT
8	6500041	1	DECAL\WARN\PROTECTION
9	6500070	1	DECAL\PATENT\CAN\#1,186,598
10	6500085	1	DECAL\DNGR\ROTATNG;DR-LNE
11	6500144	1	DECAL\PATENT\US\#5,090,630
12	6500267	6	DECAL\WARN\2\RED\REFCT
13	6500268	2	DECAL\WARN\2\AMBER\REFCT
14	6500291	1	DECAL\INFO\3\BLK\ARROW
15	6500292	1	DECAL\INFO\FOLD-UNFOLD
16	6500302	8	DECAL\LOGO\STRIP\3\RD&BLK
17	6500303	1	DECAL\INFO\SLUGBAR\ADJ
18	6500304	1	DECAL\LOGO\HYBST\1-3/4\W\SUNBURST
19	6500321	2	DECAL\LOGO\2640
20	6500322	1	DECAL\CAUTION\ADJ.DRAWBAR

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

DECAL LOCATIONS



6500040



6500302

6500321

6500020

6500034



6500041

6500303

6500036

6500020

6500040

DECAL LOCATIONS



6500085



6500291

6500292



Please fill out the delivery report on the following pages. The white copy is to be returned to:

DuraTech Industries International Inc.
P.O. Box 1940
Jamestown, ND
58402-1940

The yellow copy is the dealer copy; the pink copy is to be retained by the customer.