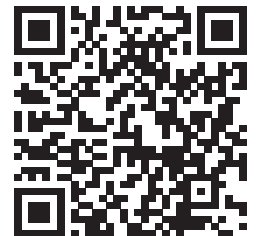


Operating Instructions and Parts Reference

2800TM BALEBUSTER

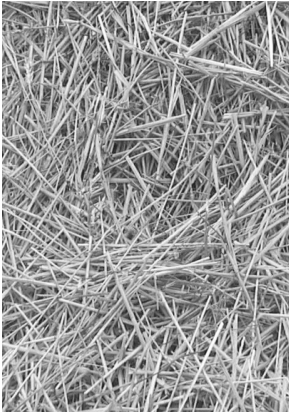


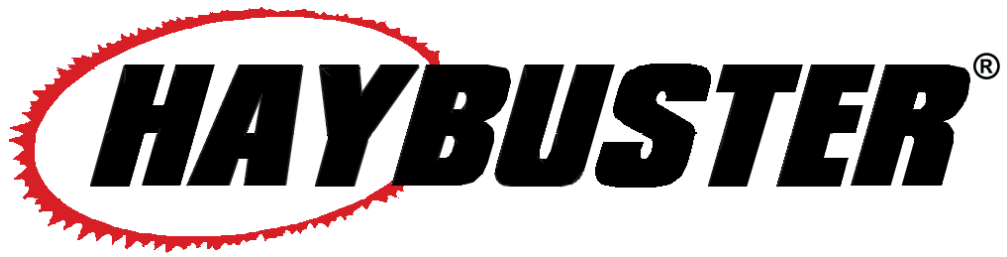
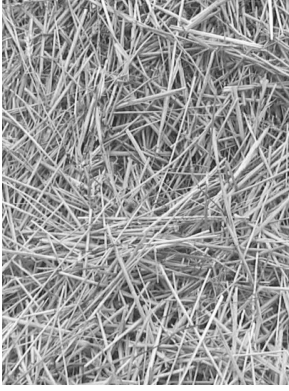
PRODUCT INFORMATION



0500125 • JULY 2018

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TEL: (701) 252-4601 • FAX: (701) 252-0502
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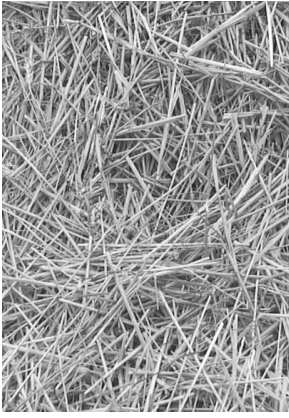
2800TM BALEBUSTER

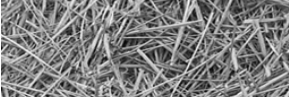
Operating Instructions and Parts Reference

DuraTech Industries International Inc. (DuraTech Industries) has made every effort to assure that this manual completely and accurately describes the operation and maintenance of the 2800 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.

 &  are registered trademarks of Duratech Industries International, Inc. 2800 BALEBUSTER is a trademark of DuraTech Industries International, Inc.





Foreword

All personnel must read and understand the following sections before operating the 2800 *BALEBUSTER*TM.

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

Appropriate use of unit

Your model 2800 *BALEBUSTER* is designed to load and shred most types of baled livestock forage. It is designed for use on large round and square 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 2800 *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.

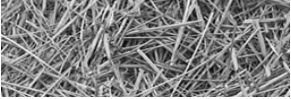


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Operator protection

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



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

Operators of the 2800 BALEBUSTER are **REQUIRED** to wear head, eye, and ear protection, no loose clothing is allowed.

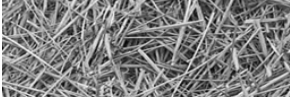


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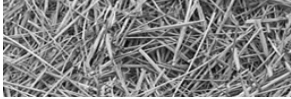


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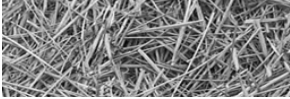


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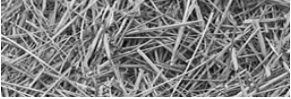


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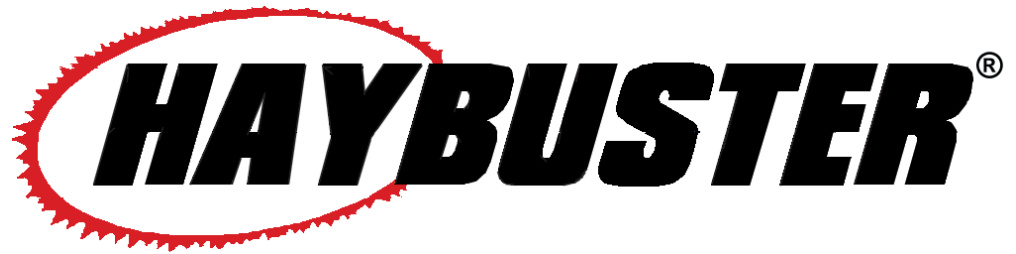
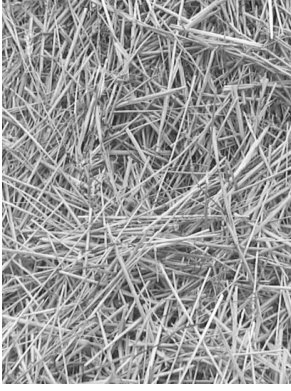
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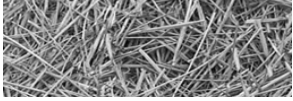
FO-1 HYDRAULIC SCHEMATIC - UP TO S.N. 0038
FO-2 HYDRAULIC SCHEMATIC - S.N. 0039 AND UP





2800TM BALEBUSTER

PART 1: Operating Instructions



Introduction

Your model 2800 BALEBUSTER™ is designed to load and shred most types of livestock forage. It is designed specifically for use on large round and square bales. Round bales can measure up to 6 feet in diameter with a length of up to 6 feet and weigh up to 2,000 pounds. Square or rectangular bales can measure up to 52" X 52" X 8' (H X W X L) and weigh up to 2,000 pounds.

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

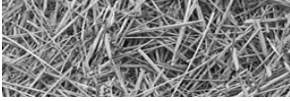
The purpose of this owner's manual is to explain maintenance requirements and routine adjustments for the most efficient operation of your 2800 BALEBUSTER. There is also a trouble shooting section that may help in case of problems in the field. Any information not covered in this manual may be obtained 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: 2800 BALEBUSTER

SERIAL NO _____



How to use this manual

Manual organization

This manual is organized into the following parts:

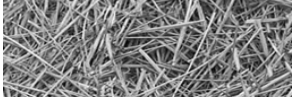
- **Part 1: Operating instructions** explain how to set up, use and maintain the 2800 BALEBUSTER.
- **Part 2: Parts reference** contains diagrams of each assembly, with the part number of each part. A key on the facing page contains a description of the part and the quantity used.

Dealer responsibilities

- Read Section 2, “Dealer Preparation,” and perform the tasks outlined. Also perform a pre-operation inspection as described in Section 3.2.1.
- Upon delivery of the unit to the customer, it is your responsibility to conduct a training session on the safe operation of the unit for the primary operator(s). You must also conduct a “walk-around” inspection of all safety instructional decals on the machine itself. Decals are illustrated in **Part 2: Parts Reference**.
- Complete and return the Warranty Registration Card. Receipt of this form is required to activate the warranty. **Appendix A** provides details of the warranty.

Operator responsibilities

- Operator is responsible for his safety.
- Operator is also responsible for safety of others near the machine.
- Review Section 2, “Dealer Preparation,” to verify that the machine has been prepared for use.
- Thoroughly review sections 1 and 3, which explain normal operation of the machine, and section 4, which explain maintenance requirements.
- Note the important safety information in the Foreword and in Section 1, “Safety.”
- Keep copies of all manuals in a readily accessible location for future reference.



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 2800 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 **ANSI** standards in labeling its products for safety and operational characteristics.

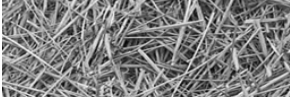
1.4 Shielding

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



Safety-Alert Symbol

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



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



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

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



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

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



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

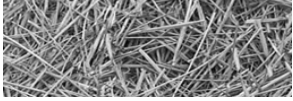
This manual uses the symbols to the right to denote important safety instructions and information.

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**.

	<p>1. Yellow warning triangle/black graphical symbol, indicates what the hazard is. Hazard Identification</p>
	<p>2. Red circle-with-slash/black graphical symbol indicates a prohibited action to avoid the hazard. Prohibited Action</p>
	<p>3. Blue mandatory action circles/white graphical symbol - indicates an action to take to avoid the hazard. Mandatory Action</p>



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 **2800 BALEBUSTER** when you are fatigued. Be alert - If you get tired while operating your **2800 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 hammers, screens, etc.. . Heavy-duty, 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.



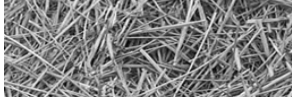
Protect your head with a hard hat to reduce the risk of injury from flying debris.



To reduce the risk of injury to your eyes never operate a **2800 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 muffs) 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.

 DANGER	FLYING HAY, ROCKS, AND OTHER OBJECTS THROWN BY MACHINE. STAY CLEAR OF DISCHARGE SIDE OF MACHINE UNLESS OPERATOR HAS STOPPED TRACTOR ENGINE AND MACHINE HAS STOPPED ROTATING. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SEVERE PERSONAL INJURY OR DEATH.
 PELIGRO	LA PAJA, LAS PIEDRAS Y OTRAS COSAS TIRADAS POR LA MAQUINA. NO SE PARE JUNTO AL LADO DE PARADOR DE LA MAQUINA SI EL MOTOR ESTÁ EN MARCHA Y LAS PALETAS ESTÁN EN MOVIMIENTO. NO SIGUIR ESTAS INSTRUCCIONES PUEDE RESULTAR EN HERIDAS GRAVES E INCLUSO LA MUERTE.


6500034

 **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

 DANGER PELIGRO	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	LAS PALETAS EN MOVIMIENTO PUEDEN DESMEMBRAR E INCLUSO MATAR MANTENGA SU DISTANCIA HASTA QUE SE DESCONECTE LA TOMA DE FUERZA, EL MOTOR PARE Y LAS PALETAS DEJEN DE MOVERSE
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6500035

 **DANGER:** ROTATING DRIVELINE, KEEP AWAY! ENTANGLEMENT CAN CAUSE SERIOUS INJURIES OR DEATH.

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


 **DANGER**





Rotating Driveline Keep Away!
Entanglement can cause serious injuries or death.
Do Not Operate Without -

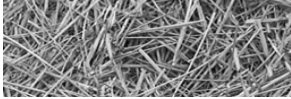
- * All driveline guards, tractor and equipment shields in place.
- * Drivelines securely attached at both ends.
- * Driveline guards that turn freely on driveline.

6500085

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

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

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: NO RIDERS
SERIOUS INJURY COULD RESULT FROM RIDING ON THE MACHINE.



WARNING: No Step.
Do not step, stand or sit on this surface.
May cause injury and /or equipment damage.



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".

WARNING

ADVERTENCIA

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.

1. LEA LOS MANUALES DEL OPERADOR INCLUIDOS CON ESTA MAQUINA Y SU TRACTOR ANTES DE OPERAR ESTA MAQUINA.
2. PARA ASEGURARSE QUE SU TRACTOR CUMPLE CON LOS REQUISITOS MÍNIMOS PARA ESTA MAQUINA, REVISE LOS MANUALES DEL OPERADOR.
3. PARA SU SEGURIDAD Y CONVENIENCIA, LEA TODAS LAS CALCOMANÍAS COLOCADAS EN LA MAQUINA.
4. NUNCA PERMITA PASAJEROS EN ESTA MAQUINA O EN EL TRACTOR.
5. MANTÉNGA ALEJADOS A LOS ESPECTADORES MIENTRAS ESTA MAQUINA ESTE OPERANDO.
6. MANTÉNGA TODOS LOS PROTECTORES EN SU LUGAR MIENTRAS LA MAQUINA ESTE OPERANDO.
7. MANTÉNGA LAS MANOS, PIES, ROPAS HOLOGADAS, ETC., ALEJADAS DE LAS PIEZAS PROPULSORAS.
8. SIEMPRE APAGUE LA MAQUINA Y EL MOTOR ANTES DE PRESTAR SERVICIO, DESTIBAR, INSPECCIONAR O TRABAJAR CERCA DE ESTA MAQUINA POR CUALQUIER MOTIVO. ANTES DE ACERCARSE A ESTA MAQUINA COLOQUE SIEMPRE LA TRANSMISIÓN EN ESTACIONAMIENTO O ENGANCHE EL FRENO DE ESTACIONAMIENTO.

6500041

WARNING

No Riders
Serious personal injury could result from riding on the machine.



ADVERTENCIA

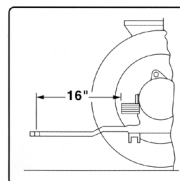
Pasajeros Prohibidos
Podrían resultar lesiones personales graves al viajar en la máquina.

6500043



WARNING
No Step.
Do not step, stand or sit on this surface.
May cause injury and/or equipment damage.

6500490



CAUTION

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.

SEE OWNERS MANUAL FOR MORE INFORMATION

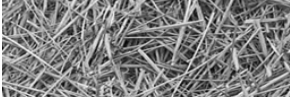
PRECAUCIÓN

1. AJUSTAR LA BARRA DE TIRO DEL TRACTOR DE MODO QUE LA DISTANCIA DEL EXTREMO DEL EJE DE LA TDF DEL TRACTOR AL CENTRO DEL PUNTO DE ENGANCHE DE LA BARRA DE TIRO MIDA 16 pulgadas (406.4 mm).
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 PUNTO DE ENGANCHE DE 1 pulgada (25.4 mm) PARA EVITAR LA DESCONEXIÓN.
4. AJUSTAR LA BISCAGUANA DEL CORMETE DE LA TDF DE MODO QUE EL EJE DE LA MAQUINA QUEDA AL MISMO NIVEL CON EL EJE DE LA TDF DEL TRACTOR.

VER EL MANUAL DEL OPERADOR PARA MÁS INFORMACIÓN.

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 2800 BALEBUSTER operator's manual
 - b. Tractor operator's manual
 - c. Decals placed on the 2800 BALEBUSTER.

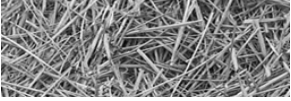


NOTE: Additional copies of the above mentioned materials can be obtained from your dealer.

- 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 2800 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 2800 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.



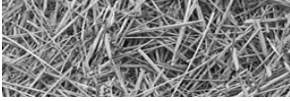
- c. Watch out for and avoid any object that might interfere with the proper operation of the machine.
 - d. Replace missing or damaged flails.
- Power takeoff shafts must be locked in place with protective P.T.O. shields in place.
 - Keep hands, feet and clothing away from power driven parts.
 - Never 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.

DURING SERVICE & MAINTENANCE

- Before working on or near the 2800 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 2800 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 place loader in full up position inside bale chamber or rest loader on stops.
- Check your state laws regarding the use of lights, slow moving vehicle signs, safety chain and other possible requirements.

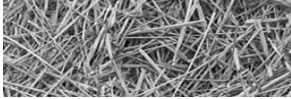


Section 2: Dealer preparation

2.1 Pre-delivery inspection

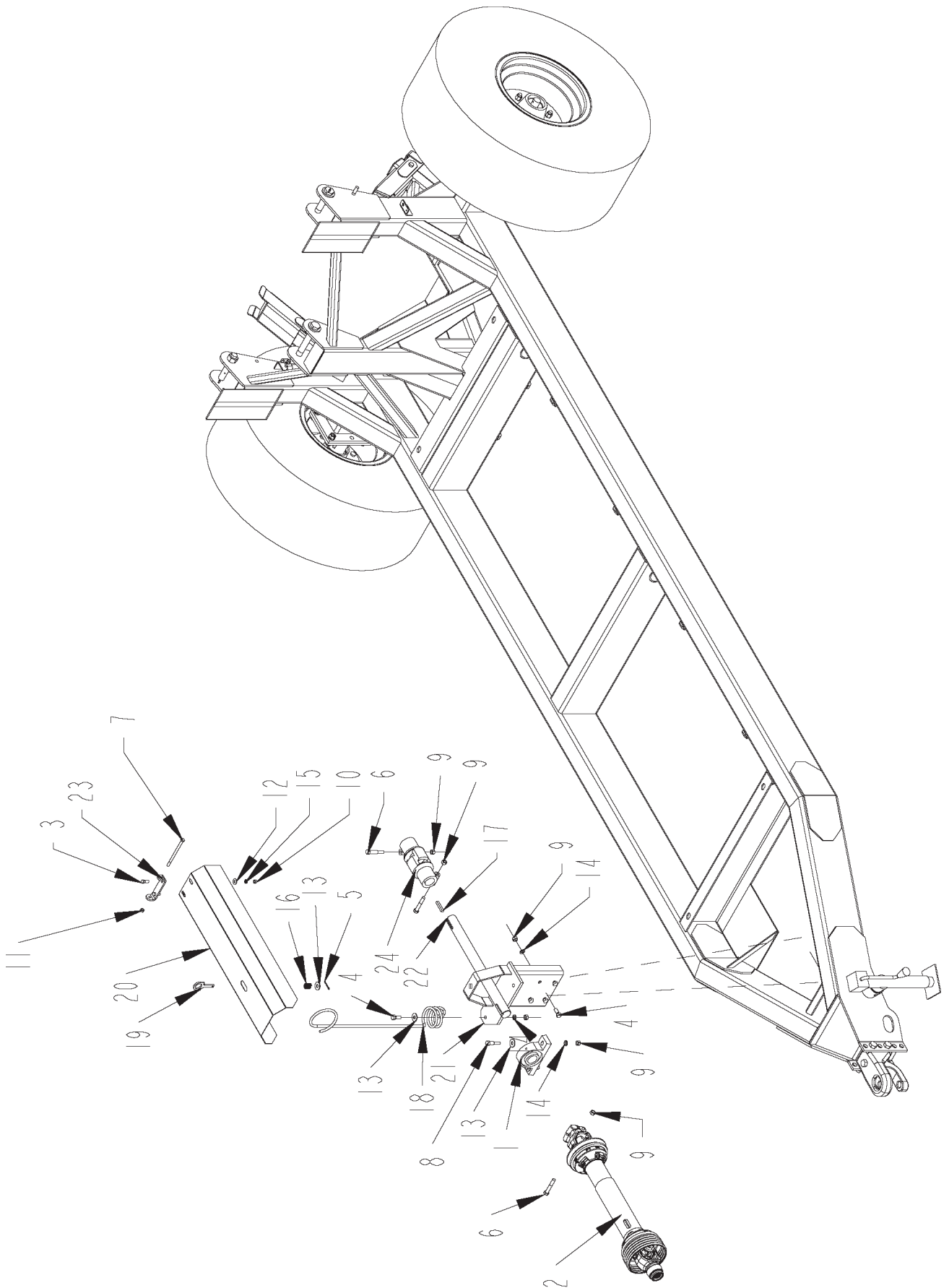
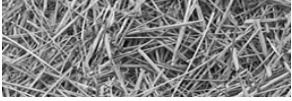
INSTRUCTIONS: Before delivering the machine, check the following items carefully and make corrections when necessary. Place an “X” in the box after each item has been checked and found to be acceptable.

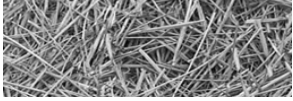
- Check machine for missing items or damage in transit.
- Check for loose bolts or set screws.
- Check all hydraulics components for leaks or damage.
- Check oil level in chain case. (fill with hydraulic oil)
- Check lug bolts for tightness.
- Check for loose flail bolts, torque to 156 Ft lbs (211.5 Nm).
- Check tires for proper air pressure
- Check condition of tire rims.
- Check machine 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.



2.2 Shipping list and illustration

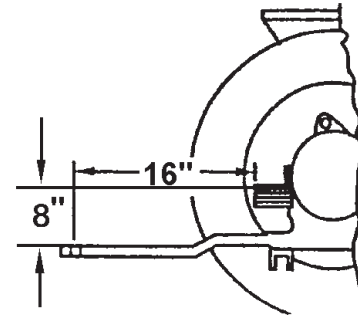
<u>ITEM</u>	<u>PART</u>	<u>QTY.</u>	<u>PART DESCRIPTION</u>
1	2000514	1	BRG\PB\1-3/4\2BOLT\MALLEABLE
2	3600459	1	PTO\252-21797\44R
3	4800003	2	BOLT\HEX\3/8X1
4	4800018	5	BOLT\HEX\1/2X1-1/4
5	4800044	1	PIN\COT\5/16X1-1/2
6	4800068	3	BOLT\HEX\1/2X3
7	4800210	1	BOLT\HEX\3/8X6
8	4800251	2	BOLT\HEX\1/2X2-1/4\NC
9	4900001	12	NUT\HEX\1/2\NC
10	4900002	11	NUT\HEX\3/8\NC
11	4900023	1	NUT\TPLCK\3/8\NC
12	5000001	2	WASH\FLAT\3/8
13	5000004	4	WASH\FLAT\1/2
14	5000006	9	WASH\LOCK\1/2
15	5000019	11	WASH\LOCK\3/8
16	6100031	1	SPRING\COMP\0.072W\25/32OD
17	6200020	2	KEY\SQ\3/8X2-1/4\HARDEND
18	7500170	1	HOSE MINDER
19	8101071	1	LATCH\SHLD
20	8101072	1	SHLD\PTO
21	8101073	1	BRKT\BRG\PTO\2650
22	8101074	1	SHFT\DRV\PTO
23	8101076	1	MNT\SHLD\DRV

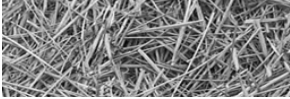




2.3 Assembly required

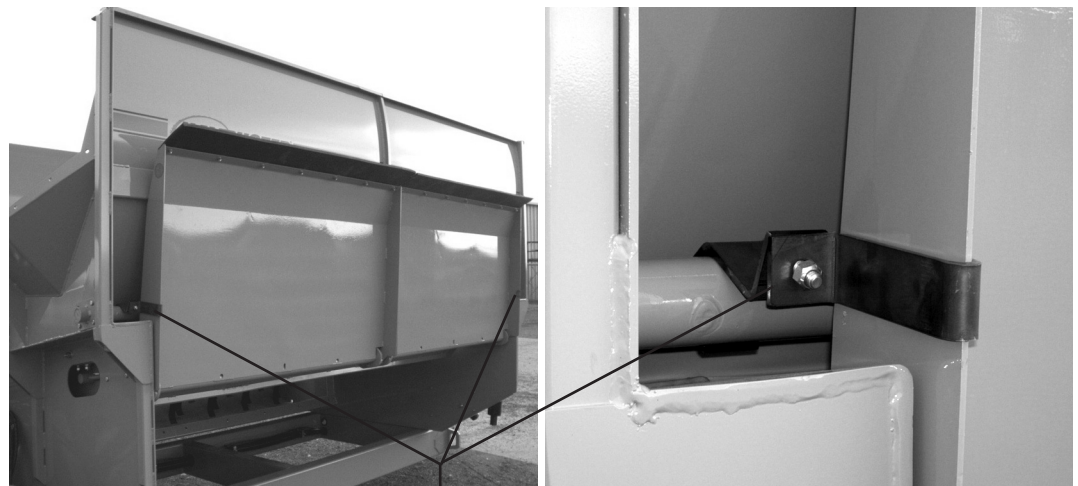
1. Adjust the tractor drawbar so that the distance from the end of the P.T.O. shaft on the tractor to the center of the drawbar hitch pin hole should be 16" (41 cm.), and the height for the top of the centerline of the P.T.O. should be 8" Refer to figure at right.
2. Hitch the 2800 BALEBUSTER to the 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 2800 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 auxiliary valve to one set of hydraulic couplers on the tractor.
7. Bolt Bearings Bracket #8101073 to mainframe with (4) $\frac{1}{2}$ x 1-1/4 bolts #4800018 with lock washers and nuts.
8. Loosely assemble bearing #2000514 (with lock collar forward), on bracket using (4) $\frac{1}{2}$ x 2-1/4 bolts #4800251, with (4) flat washers, lock washers, and nuts.
9. Slip drive shaft #8101074 thru bearing. Mount U-Joint #3600459 on drive shaft and chain case shaft using (2) $\frac{3}{8}$ x 2-1/4 keys #6200020 and set $\frac{3}{8}$ set screws #4800356. Clamp U-Joint on shaft with (2) $\frac{1}{2}$ x 3 bolts #4800068, and lock nuts.
10. Tighten bearing and cock collar assembled in step 8 at this time.
11. Install drive shaft shield latch #8101072, spring #6100031, $\frac{5}{32}$ x 1-1/2 cotter pin #4800044, and $\frac{1}{2}$ flat washer. See illustration on page 13.
12. Loosely assembly drive shaft shield #8101072 and mounting bracket #8101076, using (2) $\frac{3}{8}$ x 1 bolts #4800003 flat washer lock washers and nuts.
13. Bolt drive shield assembly to chain case, with (1) $\frac{3}{8}$ x 6 bolt #4800210, and a lock nut. Shield must hinge freely, See illustration on page 13 (Chain case not shown).
14. Lower shield over bearing stand. Tighten bolts assembled in step 12.
15. Mount P.T.O. shaft #3600459 and hardened key #6200020 on shaft #8101074 and lock set screws and tighten $\frac{1}{2}$ x 3 bolt #4800068 and lock nut.



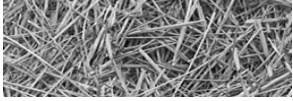


16. Attach the P.T.O. shaft to the tractor P.T.O. shaft. Depress coupling and slide the coupling onto the splined shaft. Make sure the spring loaded safety catch is properly seated.
17. Bolt hose minders to #7500170 to Bearing Bracket use, (1) 1/2x1-1/2 bolts, flatwasher, lockwasher, nut.
18. If required, install safety chain. Check local regulations regarding safety chain requirements.
19. Follow lubrication instructions found in Section 4 **before** use.
20. This machine is set up to operate on 1000 1-3/8" only!
21. Remove the shipping brackets from both sides of the deflectors.

Figure 2.1
shipping brackets



shipping brackets



Section 3: Operation

To insure long life and economical operation, we highly recommend the operator of the 2800 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 2800 BALEBUSTER.

3.1 Pre-starting inspection instructions



WARNING: Before inspecting the machine, use the normal shut-down procedure in **Section 3.2**.

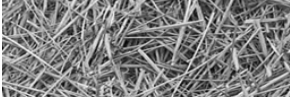
Check the following:

- 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.

- Check for loose bolts, worn or broken parts.
- 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 for loose flail anchor bolts. Torque to 156 Ft lbs (211.5 Nm).



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 2800 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.

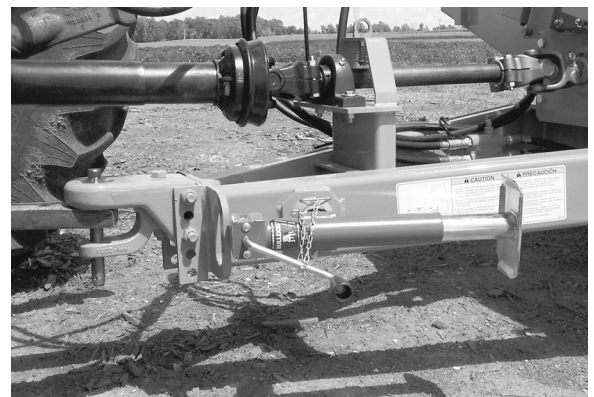
- a. Disengage P.T.O..
- b. Lower machine to ground level.
- c. Place transmission in park or set park brake.
- d. Shut off engine and remove key.
- e. Wait for all movement to stop.

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 Section 3.4

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

To raise P.T.O. shield, rotate the hold down eyelet 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.

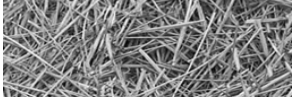


figure 3.1
P.T.O. shield, working
(lowered) position,
latched maintenance
(raised) position.



P.T.O. shield hold
down latch

P.T.O. shield working
(lowered) position



P.T.O. shield maintenance
(raised) position

3.3.3 Conveyor Speed Control

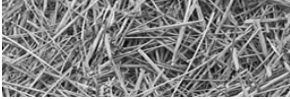
Moving the lever on the conveyor speed control valve counterclockwise will slow the conveyor and make a finer product. Moving the lever clockwise will speed up the conveyor and make a coarser product.

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

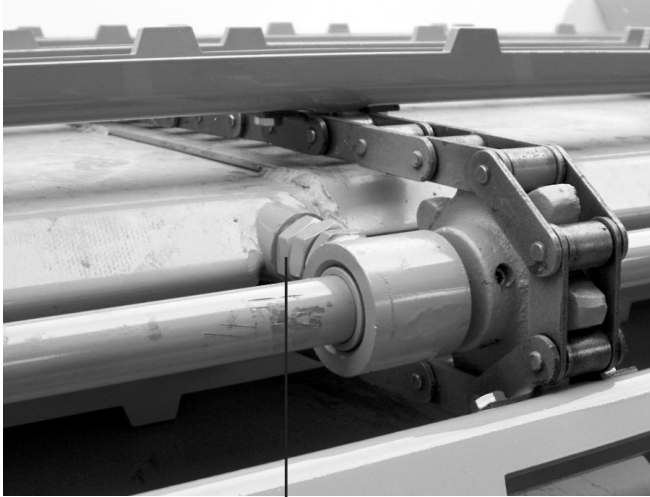
flow control valve
with valve in the full
open position





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 Chain Case Adjustments.

It is normal for the chain to stretch. A spring-loaded idler sprocket maintains Chain tension. Adjusting the rod that protrudes through the side of the chain case changes chain tension. Chain tension can be checked by measuring the gap between the spring cover and the chain case. The correct dimension is 1/8in +/- 1/16in.

The chain case was filled with hydraulic oil when assembled, (10-weight motor oil can be used.) To check oil level, remove the plug on the front of the chain case. The oil level is within 1/2in of the opening.

figure 3.3
chain case adjustments

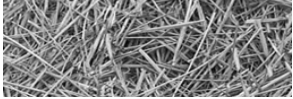


chain tension adjustment rod

spring cover

chain case

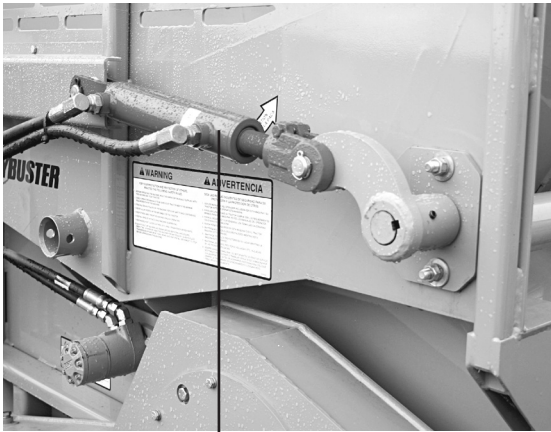
chain case oil level check plug



3.3.6 Slugbar Adjustment

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

The slugbar is adjusted using hydraulics on the 2800 BALEBUSTER. The position of the cylinder is as follows:



hydraulic slugbar adjustment cylinder

Cylinder Position	Approx. Flail Exposed
Fully extended	1"
3/4 extended	1-1/4"
1/2 extended	1-1/2"
1/4 extended	1- 5/8"
Fully retracted	1-3/4"

Fully extended, 1/4 extended, and 1/2 extended are for grinding hay. Positions 3/4 extended, and fully retracted should only be **used when spreading dry straw**. (**DO NOT**, use positions 3/4 extended and fully retracted if material is wet, has high moisture content or is frozen.

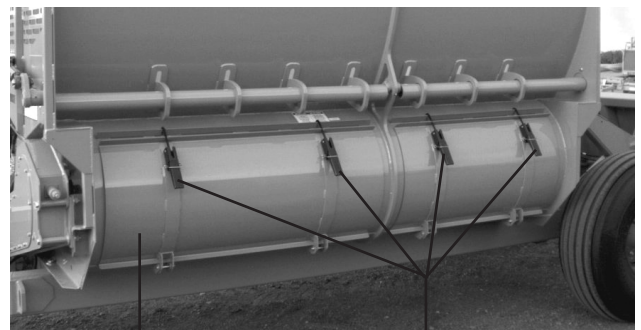
3.3.7 Clean Out Door



WARNING: Before opening the clean out doors, 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 doors.

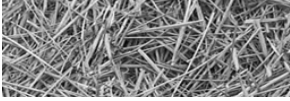
The clean out doors allows for easy access to the rotor for flail changes and twine removal. To open the doors, remove the lynch pins and release the latches. Lift the latch hooks and open the doors.

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



clean out door in the closed position

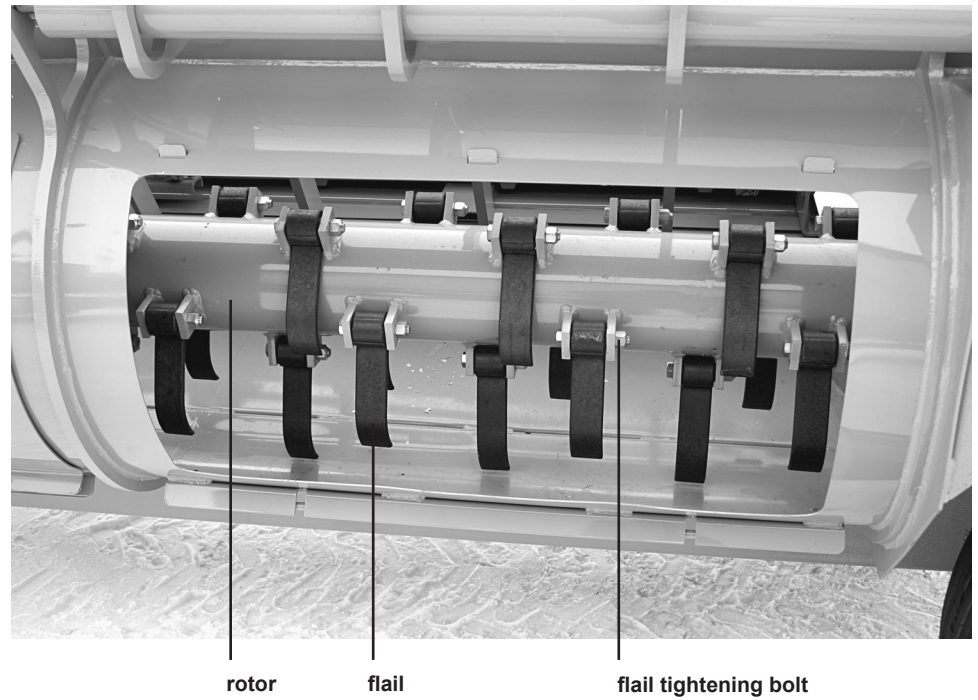
clean out door latches



3.3.8 Flails

Flails must 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. Bolts should be torqued to 156 Ft lbs (211.5 Nm).

figure 3.4
rotor, flails and flail
tightening bolt

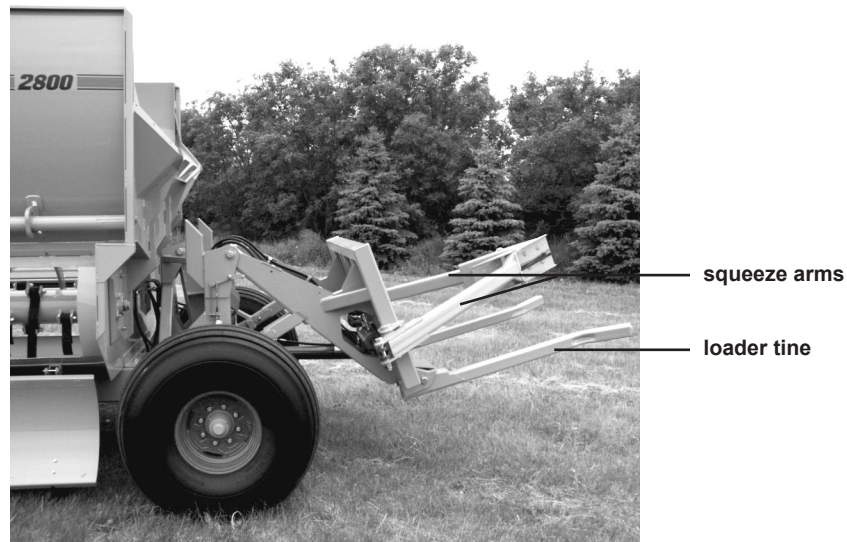


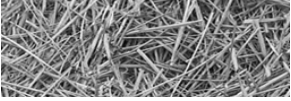
3.3.9 Loader



WARNING: Loader tines 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 3.5
loader tines and
squeeze arms

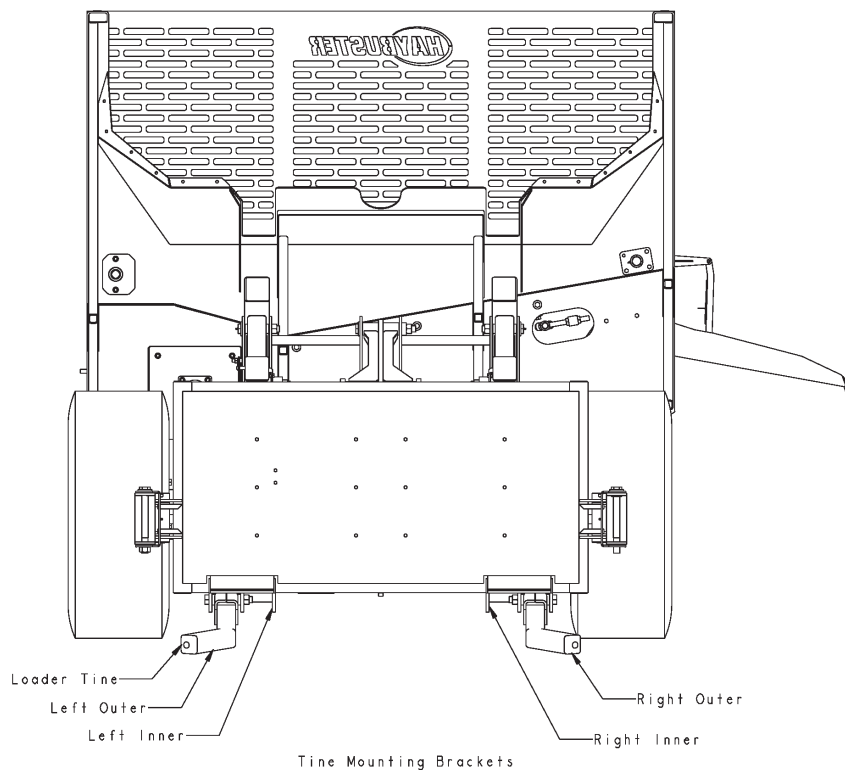


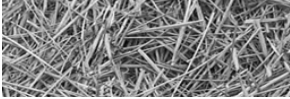


1. The loader has three settings for different size round bales:
(Note: Left and right are determined while facing in the direction of travel)
 - A. 48" diameter round bales use the left inner and right inner mounting slots.
 - B. 60" diameter round bales use the left outer and the right inner mounting slots (standard).
 - C. 72" diameter bales use the left outer and right outer mounting slots.
2. If using the tines for 48" square bales set the tines at the left 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 there 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 tine 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 Transport Supports



WARNING: Never stand under loader when flipping transport stops. Do not attempt to force stops; with the loader fully raised they can easily rotate.



loader stops in use



loader stops not in use

3.3.11 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.

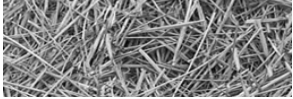


WARNING: Hydraulic fluid escaping under pressure can be almost invisible and can have sufficient force to penetrate the skin. When searching for suspected leaks, use a piece of wood or cardboard rather than your hands. If injured seek qualified medical attention immediately to prevent serious infection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

3.3.12 Tires and Rims

Tires should be inflated to PSI specified by the manufacturer, 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.



3.3.13 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 of similar base to prevent it from sinking.

When unhooking the machine remove the jack from transport position and place in lifting 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 and place in transport position.

3.3.14 Changing Distribution Pattern

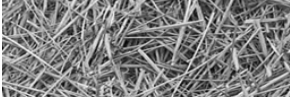
The deflector can be positioned for creating a windrow, spreading, bunk feeding, or stockpiling. Lower the deflector for a narrower windrow and raise for a wider spread.

The deflectors are operated by the hydraulic system. Positioning both deflectors in a raised position will give a wider spread pattern. Lower both deflectors for narrower windrow. Split deflectors for a narrow and wide distribution.

With the hydraulic adjustment the deflectors can be positioned at any angle or position depending on the type of distribution that is needed.

Figure 3.6
hydraulic deflector
in single and split
configurations

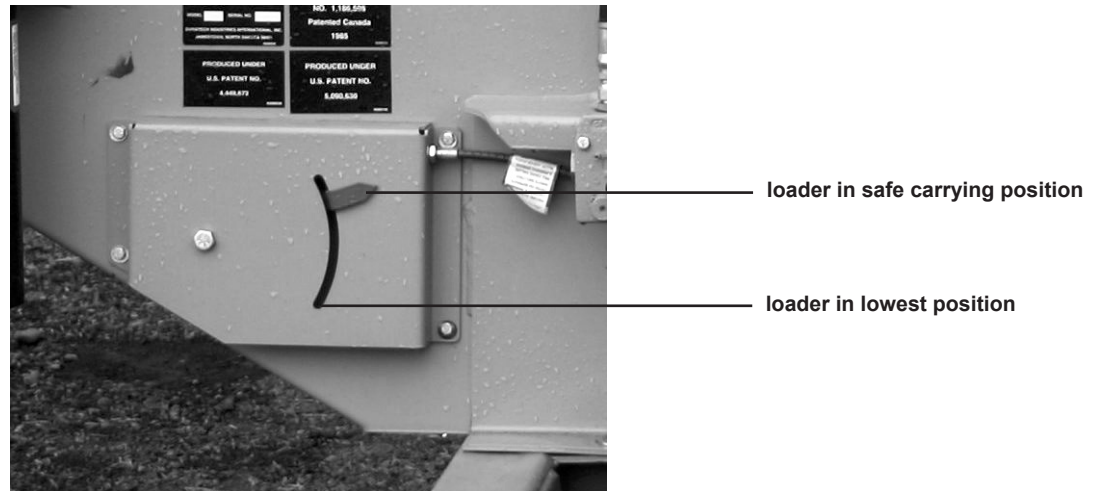


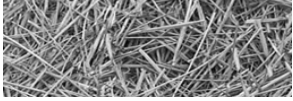


3.3.15 Loader Indicator

The loader indicator is used to show when the loader is in a safe transport position when hauling bales. The loader indicator works from when the loader is in the lowest position and stops when the loader is in the safe carrying position.

Figure 3.7
loader position indicator





3.4 Hitching the 2800 Balebuster



WARNING: Do not operate the 2800 BALEBUSTER unless the tractor complies with the following requirements:

1. Tractor has a minimum of 90 horsepower.
2. Tractor has rollover protective structure and seatbelts.
3. Tractor's hydraulic system has two-way valves, and a minimum flow of 8 GPM @1500psi.
4. To assure adequate braking and steering control, the tractor must have a weight greater than or equal to the weight of the 2800BALEBUSTER and any bales it transports.

To hitch the 2800 BALEBUSTER to the 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 3.8
2. Hitch the 2800 BALBUSTER so the tractor drawbar. Adjust the hitch so the machine is parallel with the 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 auxiliary valve to one set of hydraulic couplers on the tractor.
9. Set tractor hydraulic flow to approximate 12 gallons per minute. If flow is too low hydraulic function will chatter. If flow is too high the oil will overheat and cause damage to valve and tractor.

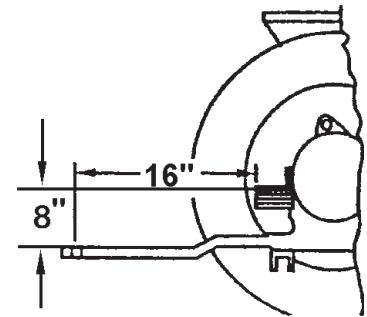
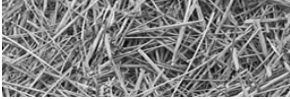


figure 3.8
safe P.T.O. distance

3.5 Unhitching the 2800 BALEBUSTER

To unhitch the 2800 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 2800 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 machine, perform the following steps:

1. Adjust the deflector to desired position.
2. Steps 3 through 5 are performed with the tractor at idle, and the operator at the tractor 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 shred a bale.
4. Raise the loader, and remove transport stops.



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



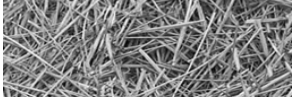
WARNING: Never stand under loader when flipping transport stops. Do not attempt to force stops out, with the loader fully raised they can easily rotate.

5. Engage 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.



3.7A Loading the round bale

The bale conveyor must not be running when a bale is lifted into the shredding chamber. (Steps 3-5), dropping bales on to the moving conveyor slats may bend slates.



DANGER: If it is necessary to transport a second bale over uneven terrain, make sure any bystanders are away from the 2800 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 the 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 the bale into the shredding chamber. Continue lifting the bale loader until it stops. The correct position for shredding a single bale will help prevent spillage.

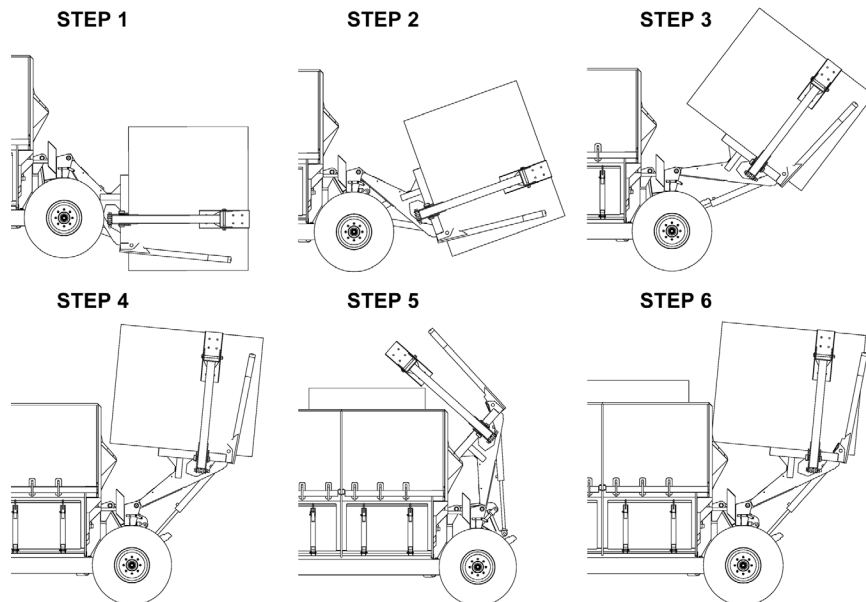


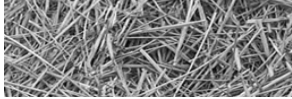
Note: If bale does not rotate the twine may be over the tine. Cut twine at this time to prevent damage to the machine.

- 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). Back the trailer until bale is loaded on the main frame loader supports. Slowly lift the bale off the ground until the loader indicator stops moving. 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.

Note: For gentler loading of round bales on the 2800 BALEBUSTER use the squeeze arms instead of the tines.

figure 3.9
round bale loading steps





3.7B Loading the square bale

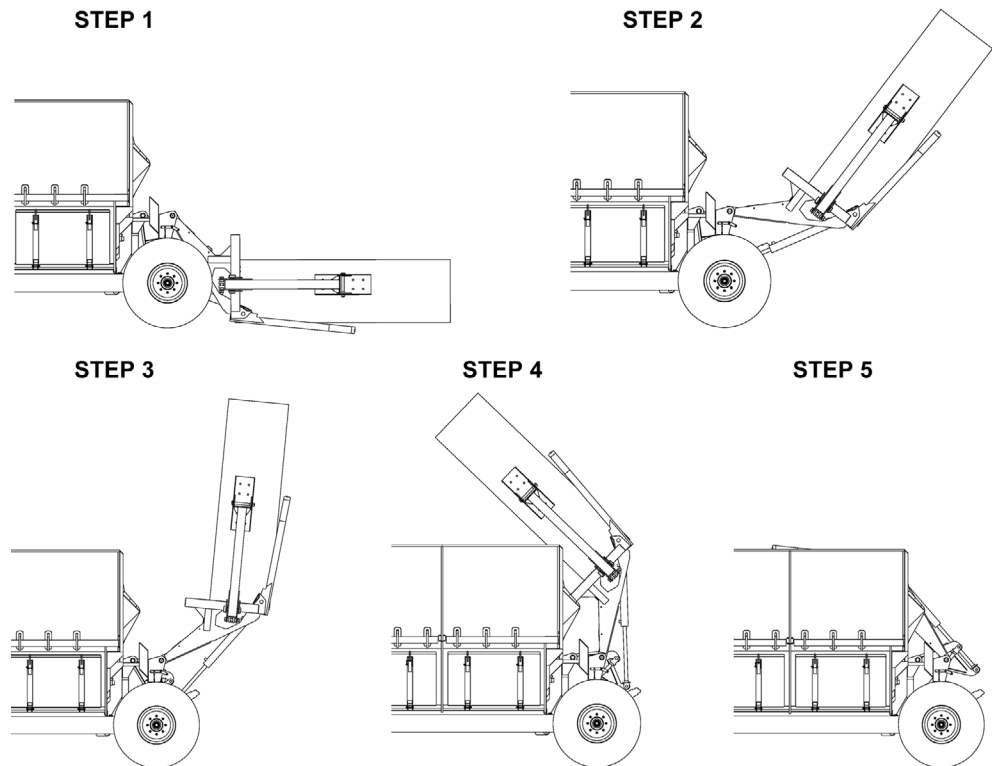
The bale conveyor must not be running when a bale is lifted into the shredding chamber. (Steps 3-6), dropping bales on to the moving conveyor slats may bend slates.

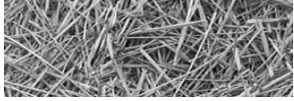
- Step 1:** Lower the bale loader to its lowest position. Back up to the bale until it is against the loader table.
- Step 2:** Apply the squeeze arms to the bale.
- Step 3-5:** Slowly lift the bale into the shredding chamber. Continue lifting the bale loader until it stops.
- Step 6:** Once the bale is fully in the shredder chamber disengage the squeeze arms and bring loader back to transport position as shown on loader indicator.
- Step 7:** Loading a second bale, lower the bale loader to its lowest position. Back up to the second bale until it is against the loader table. Then apply the squeeze arms to the second bale. Slowly lift the bale off the ground until the loader indicator stops moving. This is the transport position for the second bale.
- Step 8:** After first bale is shredded, repeat steps 3-6, loading and shredding the bale.



Note: This procedure may also be used for round bales for gentler loading.

figure 3.10
square bale loading steps





3.8 Shredding the bale



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



Note: Opening tractor 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.

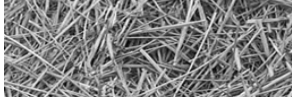


DANGER: If it is necessary to transport a second bale over uneven terrain, make sure any bystanders are away from the 2800 BALEBUSTER. Serious injury or death could result if the bale rolls off the main frame loader supports.

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

1. If necessary, adjust the deflectors to the desired position.
2. Position the 2800 BALEBUSTER where you want to begin shredding the bale.
3. Engage the conveyor and move the bale to the right of the machine. This will move the bale away from the rotor for start up.
4. The machines hydraulic system performs five (5) functions. One function raises the bale lifter for loading bales into the machine. The second function powers the bale conveyor by means of a hydraulic motor. The third function controls the squeeze arms for loading bales into the machine. The fourth function controls the deflectors for spreading the material. The fifth function is for moving the slugbar that controls the amount of flails that are exposed.
5. Engage the P.T.O. and increase tractor engine speed so that P.T.O. is at 1000 RPM or greater. Tractor can be operated at wide open throttle.
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 2800 BALEBUSTER; rotation is counter clockwise.





3.9 Twine Removal

To remove twine from the rotor open clean out door - refer to section 3.3.7. Using a hacksaw with a fine tooth blade is one method of cutting the twine and works with all types of twine.

figure 3.11
removing twine from the
rotor with a fine tooth
hacksaw



3.10 Transporting the 2800 BALEBUSTER

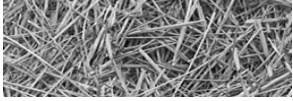
This machine is designed to fold for ease of transportation and storage. The deflector raises to decrease transport width.



WARNING: Never stand under loader when flipping transport stops. Do not attempt to force stops; with loader fully raised they can easily rotate.

To prepare the 2800 BALEBUSTER for transport, perform the following steps:

1. Raise the loader and flip the loader transport stops up.
2. Release the hydraulic pressure and lower the loader until it rests on the stops.
3. Raise the deflector to insure and eight feet five inch (8'-5") towing width.
4. To reduce tongue weight when transporting the 2800 BALEBUSTER, place loaders stops up and lower the loader until it rests on the stops.



3.11 Storing the 2800 BALEBUSTER



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

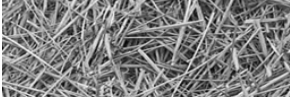
To prepare the 2800 BALEBUSTER for storage, perform the following steps:

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 2800 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. 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.
3. Coat exposed lift cylinder rod with grease. Oil chains on conveyor. Lubricate thoroughly according to lubrication instructions. Repack wheel bearings.
4. 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 2800 BALEBUSTER from storage

To remove the 2800 BALEBUSTER from storage, perform the following steps:

1. Remove all protective coverings.
2. Remove blocking from under 2800 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.



3.13 Hooking up hydraulic control box and hydraulics to tractor

To hook up the hydraulic control box to the 2800 Balebuster, line up plug from the control box to the plug on the machine and twist together. To disconnect twist opposite direction and pull apart.

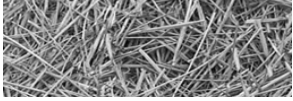
Valves on the 2800 Balebuster are protected with a one way check valve to ensure proper function.

To engage tractor hydraulics so switches function correctly, turn on and lock one hydraulic function when operating the shredder.

If the direction of the lever is not right for the tractor or does not lock, reverse the hydraulic hose hook ups on the tractor.

Recommended hydraulic flow rate is 8 to 12 gallons a minute. If hydraulic flow is too low, it will cause the hoses to pulsate and if the flow is too high, damage to the valve will occur.

To hook up to 12 volt power, one of two power plugs is needed. For newer tractors with a three prong plug a 15 amp fuse is needed. For older tractors a wiring harness can be purchased (part #5700686) using a 15 amp fuse, and plugging the harness into a keyed power source.



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 (Section 3.2) before lubricating machine.

4.1 Lubrication

Use only high quality, #2 multi-purpose grease when lubricating the unit. Make sure all fittings and the nozzle or the grease applicators are clean before applying grease. If any grease fittings are missing, replace them immediately.

The 2800 BALEBUSTER has eighteen points to lubricate with a grease gun every fifteen (15) hours of operating.

1. Rotor bearings – 2 places.
2. P.T.O. universal joints – 3 places.
3. Telescoping shafts – 1 Place.
 - 3a. 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.
 - 3b. 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.
4. Bale conveyor – 2 places.
5. Check oil level in chain case every fifty (50) hours of operating time. (See section 3.3.5)
6. PTO stand – 1 place
7. Deflector ends – 2 places
8. Squeeze arms – 2 places
9. Loader – 4 places
10. Slugbar cam – 1 place
11. Chain case - 2 places

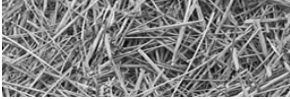


figure 4.1
P.T.O. lubrication

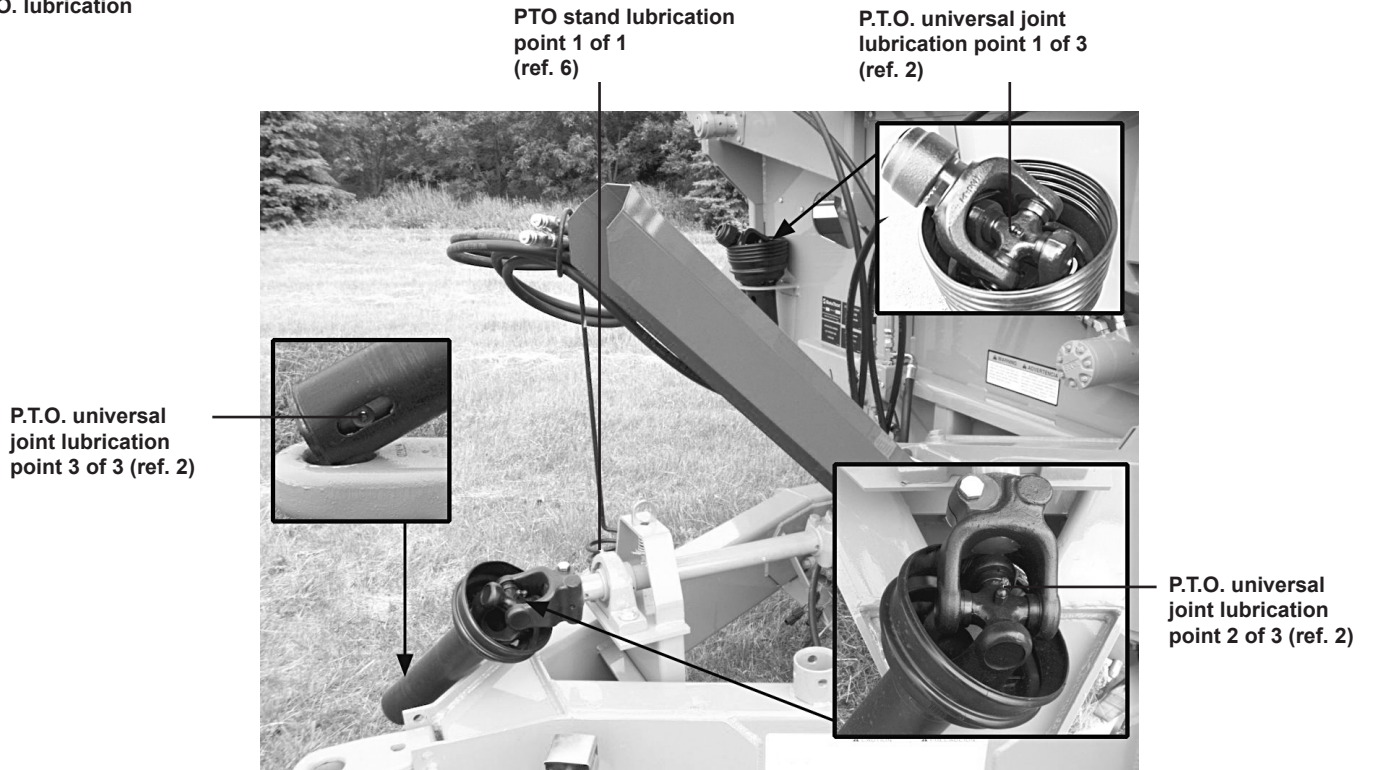
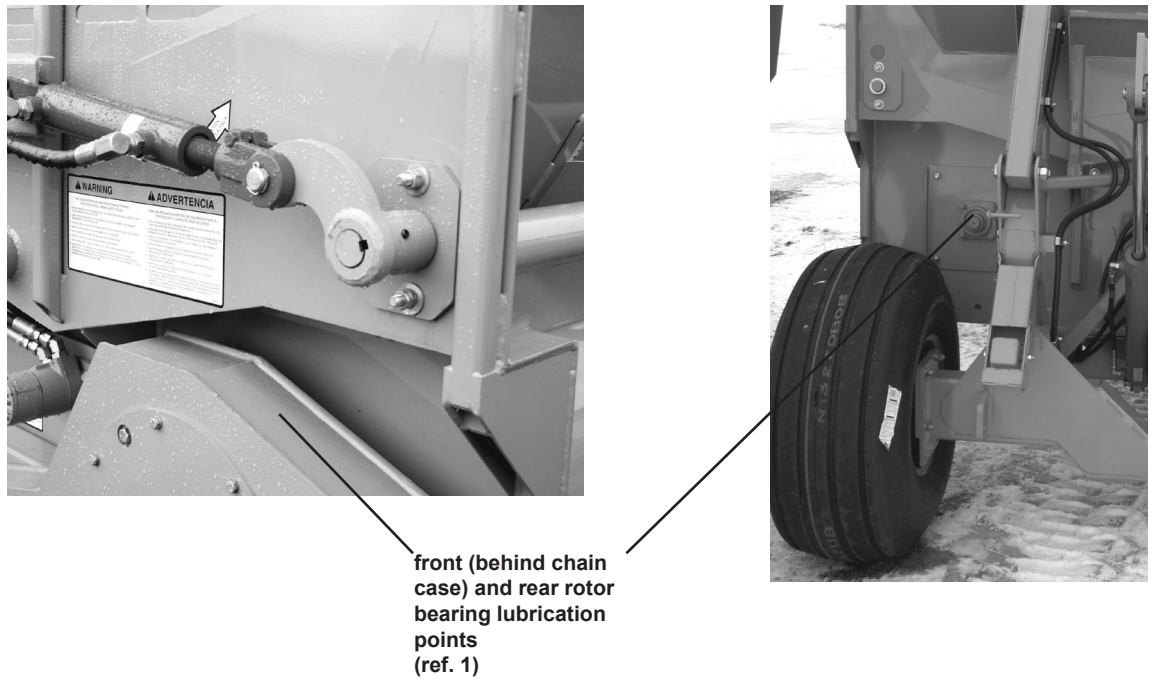


figure 4.2
rotor bearing lubrication



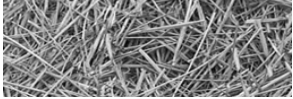
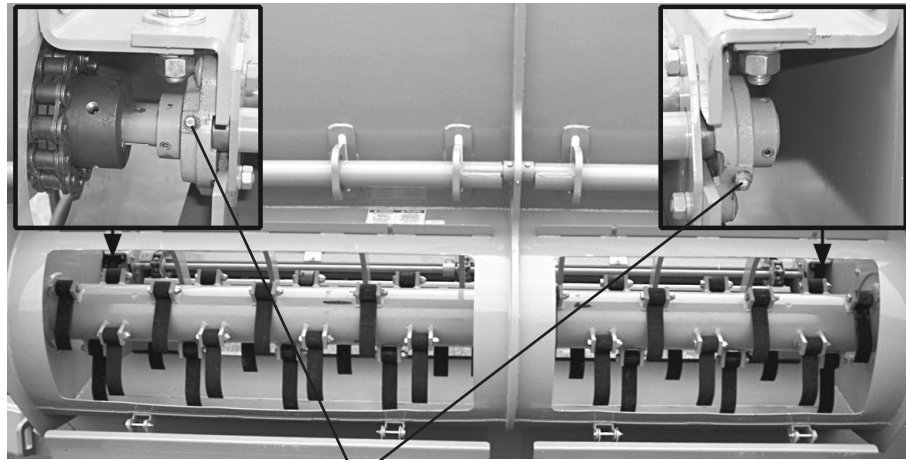


figure 4.3
bale conveyor bearing
lubrication



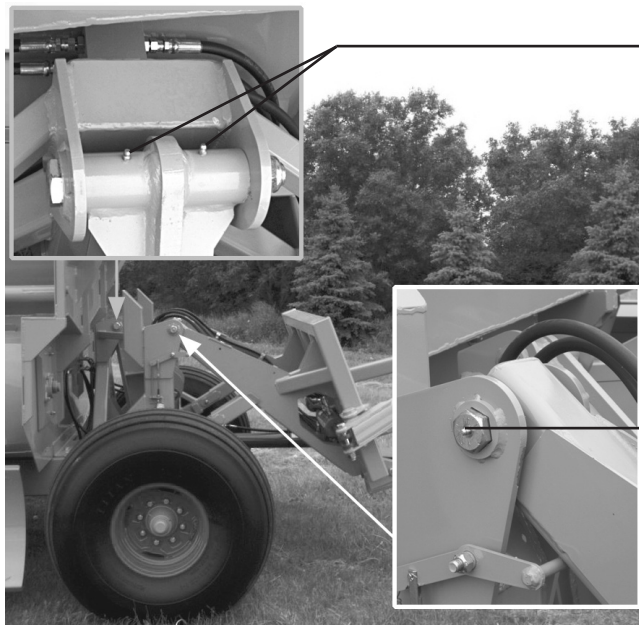
**bale conveyor bearing
lubrication points**
2 of 2 (ref. 4)

figure 4.4
telescoping shaft
lubrication

**P.T.O. telescoping
shaft**
(ref. 3)

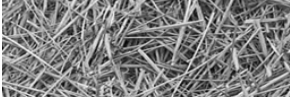


figure 4.5
loader lubrication

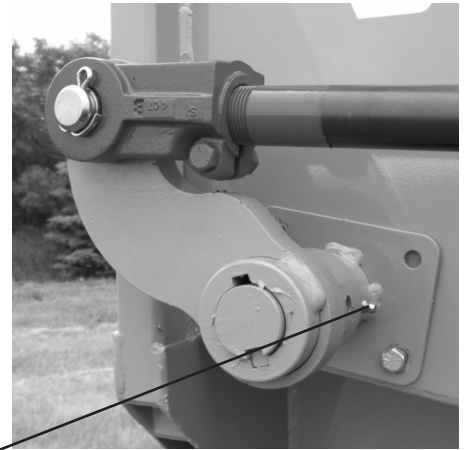
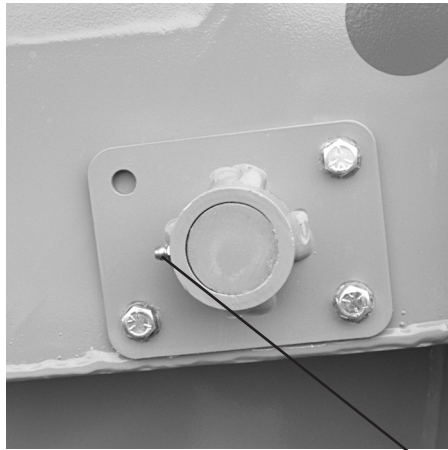


**loader pivot
lubrication points**
1 & 2 of 4
(ref. 9)

loader pivot lubrication points
(one on each side of machine)
3 & 4 of 4
(ref. 9)

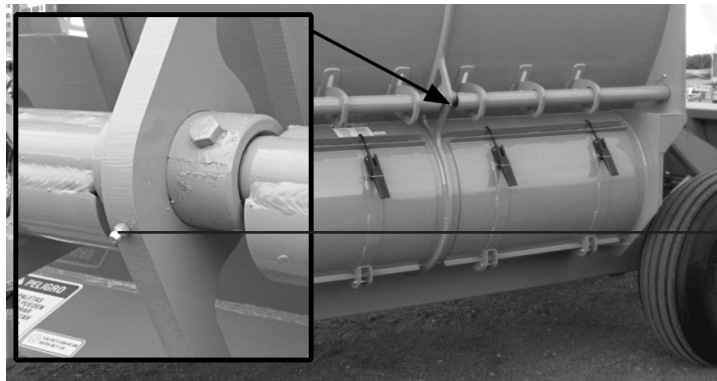


**figure 4.6
deflector lubrication**



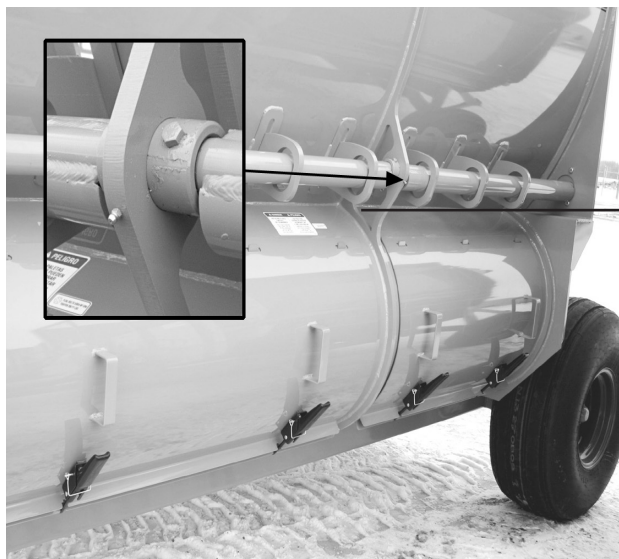
**deflector bearing lubrication
points 1 & 2 of 2
(ref. 7)**

**figure 4.7
slugbar cam
lubrication**



**slugbar cam lubrication
point 1 of 1
(ref. 10)**

**figure 4.8
squeeze arm lubrication**



**squeeze arm pivot lubrication
points (one on each side of
machine)
(ref. 8)**

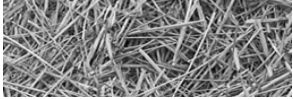


figure 4.4
roller chain lubrication



roller chains- apply a
graphite lubricant to
roller chains after every
15 hours of use

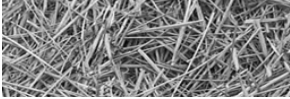
4.2 Cleaning of rear pivot area

The rear pivot area **requires** periodic cleaning to ensure that the 2800 BALEBUSTER loader and hydraulics runs properly. Build up can cause damage to the hydraulic cylinders and to the loading tines and brackets.



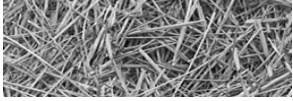
4.3 General appearance

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 2800 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.



Section 7: Maintenance

7.1 Welding Procedure

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

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:



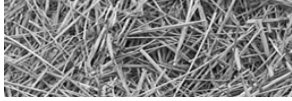
Note: Do not ground the welder to electrical components listed above, sensors, or wiring. Improper grounding can also damage bearings or hydraulic components. Clamp the ground cable from the welder to the part that will be welded. Place the clamp as close to the weld. This will help reduce the possibility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

1. Unhitch the Balebuster from the tractor and disconnect the control box from the tractor.
2. 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.

3. Protect the wiring harness and hydraulic lines from welding debris and spatter.
4. 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 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 if DuraTech Industries is notified 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 maintenance, or if the product has been used for a purpose for which it was not designed.

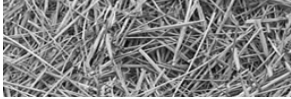
All claims for warranty must be made through the dealer which originally sold the product and all warranty adjustments must be made through same.

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 design of this product at any time without notice.

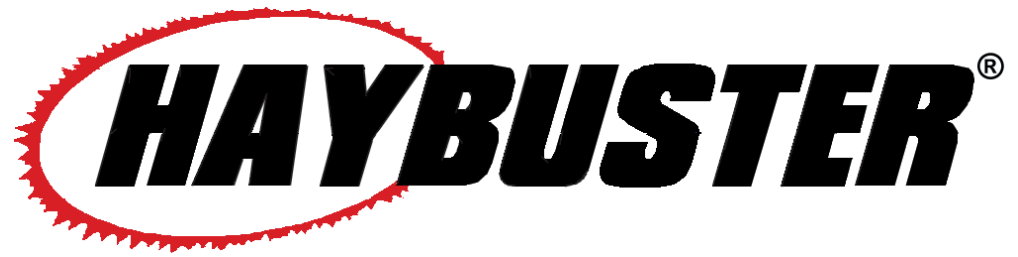
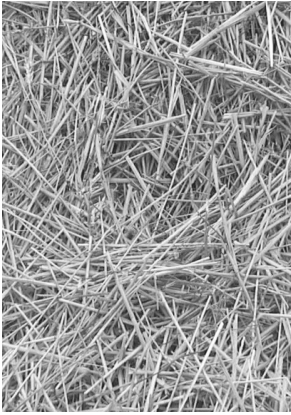
All other warranties made with respect to this product, either expressed or implied, are hereby disclaimed by DuraTech Industries International



Appendix B: 2800 Specifications

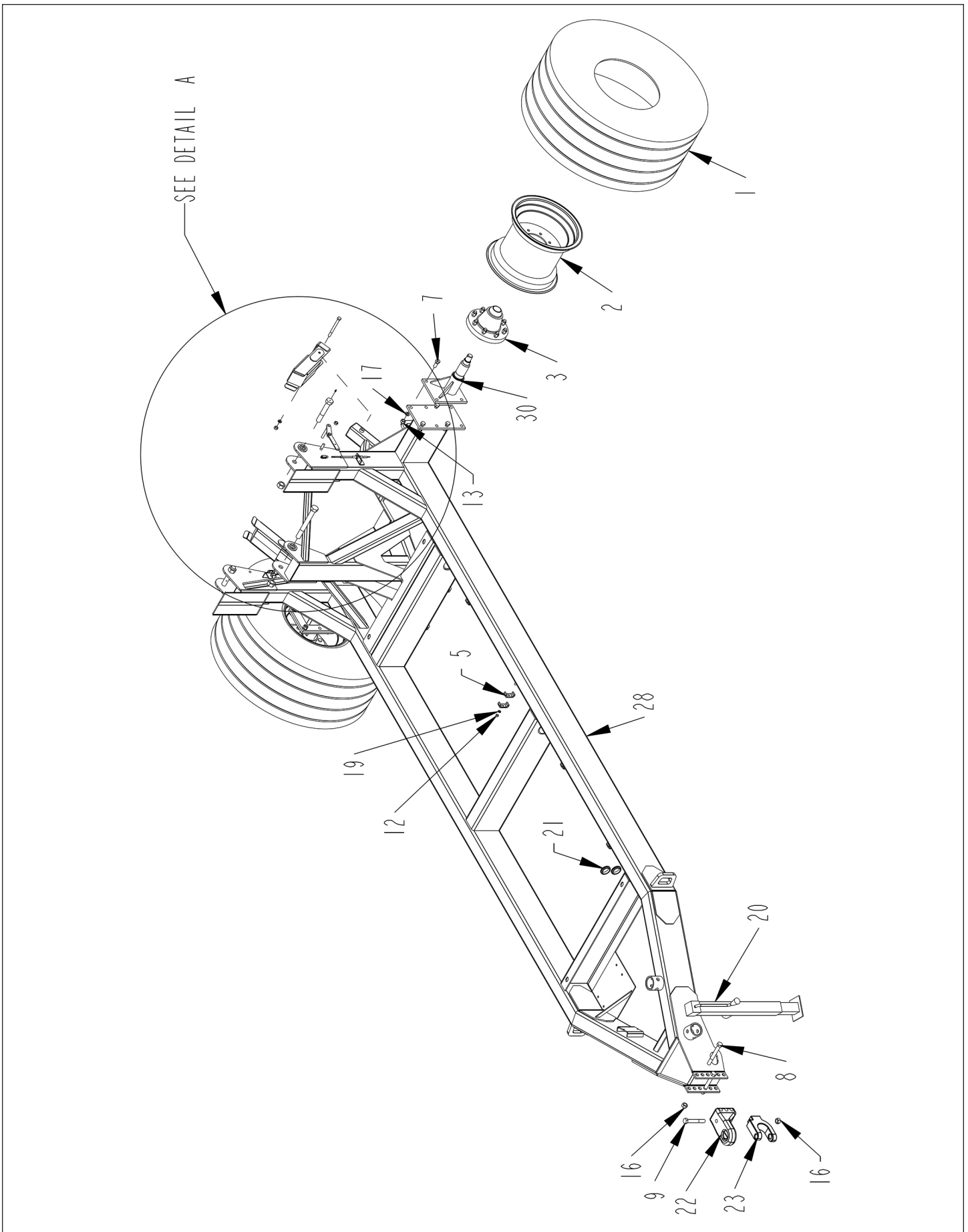
General specifications

Tractor H.P. Required	Min. 90 H.P.
Capacity..... (Round) 6 Ft. long x 6-1/2 Ft. (183 cm x 198 cm) Dia. 2200 Lbs. (997 kg)	
.....(Square) 52" x 52" x 8 Ft. (132 cm x 132 cm x 244 cm) 2200 Lbs. (997 kg)	
Rotor Length	108" (274 cm)
Rotor Diameter (Flails Extended)	26" (66 cm)
Rotor Bearings – Ball.....	1-3/4" (44 mm)
Number of Flails – Heat Treated.....	40
Wheel – Taper Roller Bearings – Tire size.....	16.5 x 16.1 – 10 Ply
Working Position One Bale Height.....	8'-6" (259 cm)
Length.....	24'-2" (736 cm)
Width.....	10'-10" (330 cm)
Working Position Two Bales Height.....	10'-0" (305 cm)
Length.....	27'-5" (838 cm)
Width.....	10'-10" (330 cm)
Transport Position	
Length.....	17'-7" (536 cm)
Width.....	8'-5" (258 cm)
Height.....	8'-6" (262 cm)
Weight	7300 Lbs. (3,311 kg)
P.T.O.	1000 RPM
Single Hydraulics (Self Contained Four Function Valve).....	1500 psi (103 bar)



2800TM BALEBUSTER

Part 2: Parts Reference



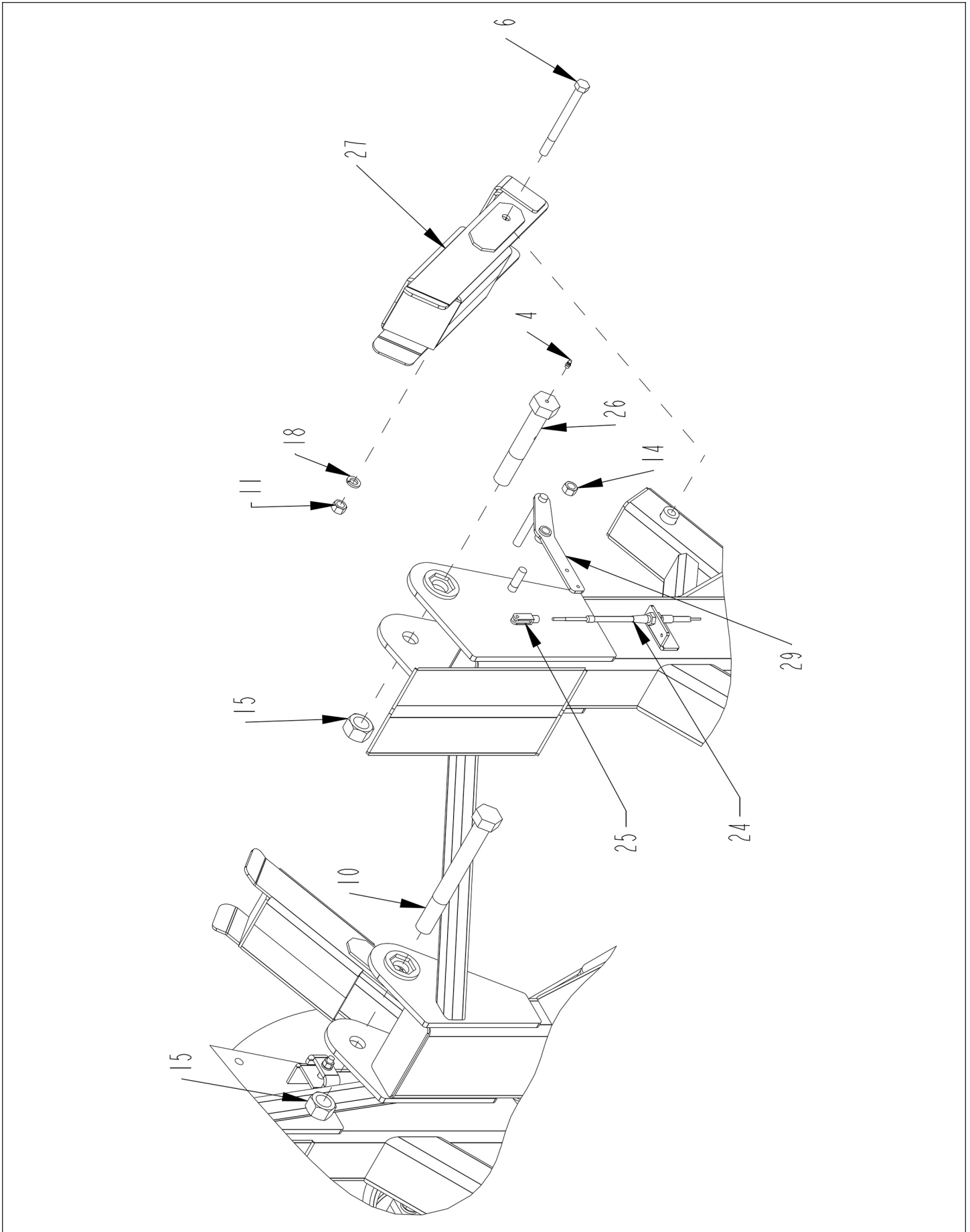
MAINFRAME ASSEMBLY THRU S.N. 0218

ITEM	PART	QTY.	PART DESCRIPTION
1	2600053	2	TIRE\16.5LX16.1SL\14PLY
2	2600649 2600861	2	WHL\8-BOLT\16.1X14C\8K WHL\ASSY\16.5SLX16.1\14PLY (INCLUDES ITEMS 1 & 2)
3	2900140	2	HUB\8-BOLT\W\RACES\>
4	3800082	2	FTG\LUB\1/4NFXZERK\ADAPT
5	4700776	11	CLMP\HOSE\3/8
6	4800077	2	BOLT\HEX\1/2X5-1/2
7	4800106	8	BOLT\HEX\5/8X1-1/2
8	4800248	2	BOLT\HEX\3/4X6
9	4800562	1	BOLT\HEX\3/4X5\GR8\NC
10	4800601	1	BOLT\HEX\1X9\NC
11	4900001	2	NUT\HEX\1/2\NC
12	4900002	7	NUT\HEX\3/8\NC
13	4900005	8	NUT\HEX\5/8\NC
14	4900014	1	NUT\TPLCK\1/2\NC
15	4900127	3	NUT\TPLCK\1\NC
16	4900139	3	NUT\TPLCK\3/4\GR8\NC
17	5000003	8	WASH\LOCK\5/8
18	5000006	2	WASH\LOCK\1/2
19	5000019	7	WASH\LOCK\3/8
20	5800627	1	JACK\7000LB\SWVL\SDWND
20A	5800623	1	JACK\5000LB\SWIVEL-STYLE> (SERIAL #1-30)
21	7500360	2	GRMT\RBBR\2X1.75IDX1/4T
22	7501047	1	HITCH\BASE\#3\PP\1"PIN
23	7501048	1	HITCH\CLEVIS\PP\1"PIN
24	7501136	1	CBL\PSH/PULL\VLD\216"LG
25	7501137	1	CLEVIS\3/16PIN\10-32ROD
26	8101352	2	BOLT\HEX\1X6\GREASE
27	8101366	2	STOP\LDR\2800
28	8101367	1	MNFRM\2800
29	8101391	1	LVR\LDR\INDCTR
30	8101600	2	SPNDL\2800

NOT SHOWN

1100275	1	CHAIN\1/4\SFTY\AG\11000LB
4800382	1	BOLT\HEX\3/4X6-1/2
5000005	1	WASH\FLAT\3/4
5000030	1	WASH\FLAT\13/16\2OD\1/4T
6100065	1	SPG\CLUTCH\5OD\055WD3.2LOH

MAINFRAME ASSEMBLY THRU S.N. 0218 - DETAIL A

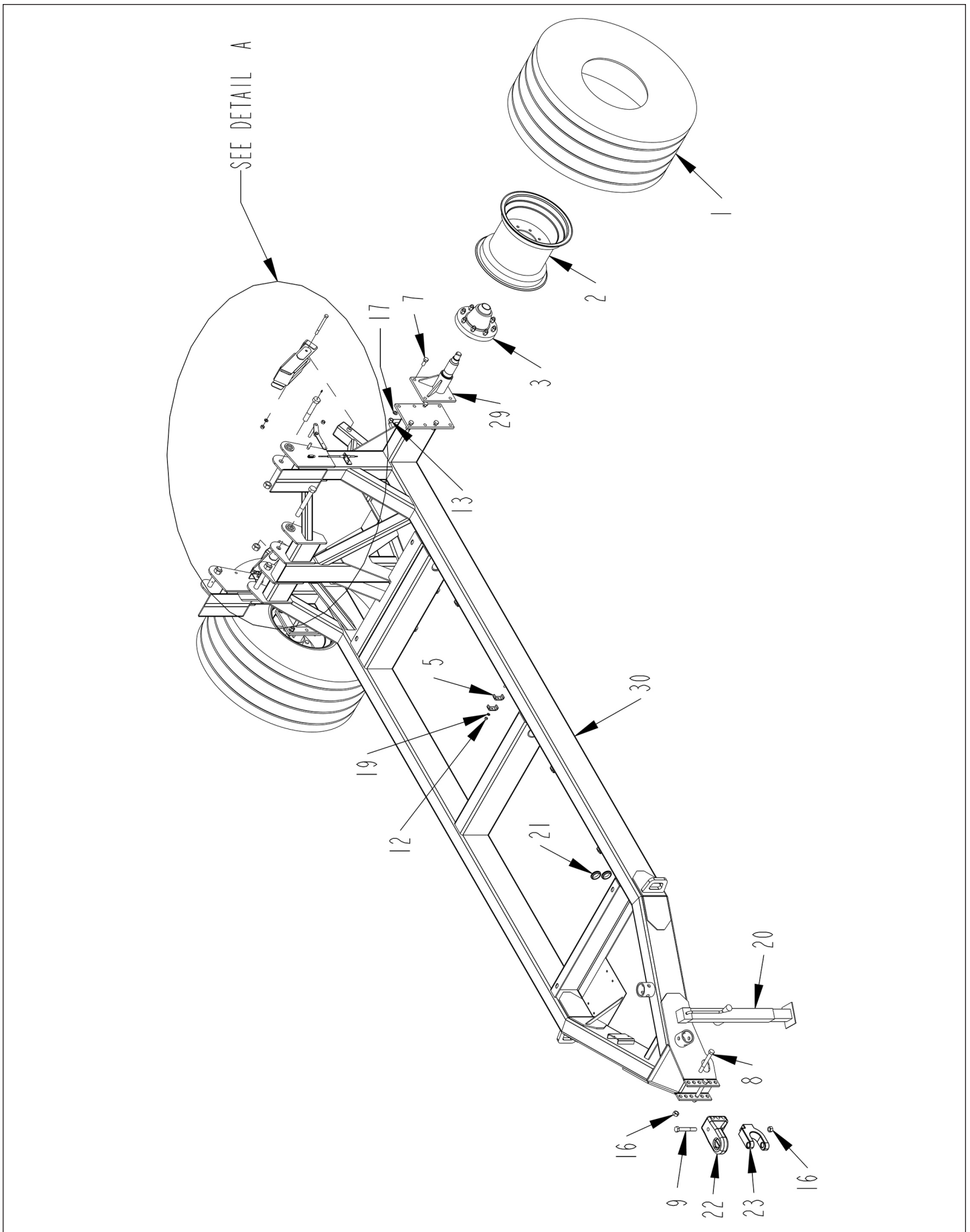


MAINFRAME ASSEMBLY THRU S.N. 0218 - DETAIL A

ITEM	PART	QTY.	PART DESCRIPTION
1	2600053	2	TIRE\16.5LX16.1SL\14PLY
2	2600649 2600861	2	WHL\8-BOLT\16.1X14C\8K WHL\ASSY\16.5SLX16.1\14PLY (INCLUDES ITEMS 1 & 2)
3	2900140	2	HUB\8-BOLT\W\RACES\>
4	3800082	2	FTG\LUB\1/4NFXZERK\ADAPT
5	4700776	11	CLMP\HOSE\3/8
6	4800077	2	BOLT\HEX\1/2X5-1/2
7	4800106	8	BOLT\HEX\5/8X1-1/2
8	4800248	2	BOLT\HEX\3/4X6
9	4800562	1	BOLT\HEX\3/4X5\GR8\NC
10	4800601	1	BOLT\HEX\1X9\NC
11	4900001	2	NUT\HEX\1/2\NC
12	4900002	7	NUT\HEX\3/8\NC
13	4900005	8	NUT\HEX\5/8\NC
14	4900014	1	NUT\TPLCK\1/2\NC
15	4900127	3	NUT\TPLCK\1\NC
16	4900139	3	NUT\TPLCK\3/4\GR8\NC
17	5000003	8	WASH\LOCK\5/8
18	5000006	2	WASH\LOCK\1/2
19	5000019	7	WASH\LOCK\3/8
20	5800627	1	JACK\7000LB\SWVL\SDWND
20A	5800623	1	JACK\5000LB\SWIVEL-STYLE> (SERIAL #1-30)
21	7500360	2	GRMT\RBBR\2X1.75IDX1/4T
22	7501047	1	HITCH\BASE\#3\PPI\1"PIN
23	7501048	1	HITCH\CLEVIS\PPI\1"PIN
24	7501136	1	CBL\PSH/PULL\VLD\216"LG
25	7501137	1	CLEVIS\3/16PIN\10-32ROD
26	8101352	2	BOLT\HEX\1X6\GREASE
27	8101366	2	STOP\LDR\2800
28	8101367	1	MNFRM\2800
29	8101391	1	LVR\LDR\INDCTR
30	8101600	2	SPNDL\2800

NOT SHOWN

1100275	1	CHAIN\1/4\SFTY\AG\11000LB
4800382	1	BOLT\HEX\3/4X6-1/2
5000005	1	WASH\FLAT\3/4
5000030	1	WASH\FLAT\13/16\2OD\1/4T
6100065	1	SPG\CLUTCH\5OD\055WD3.2LOH

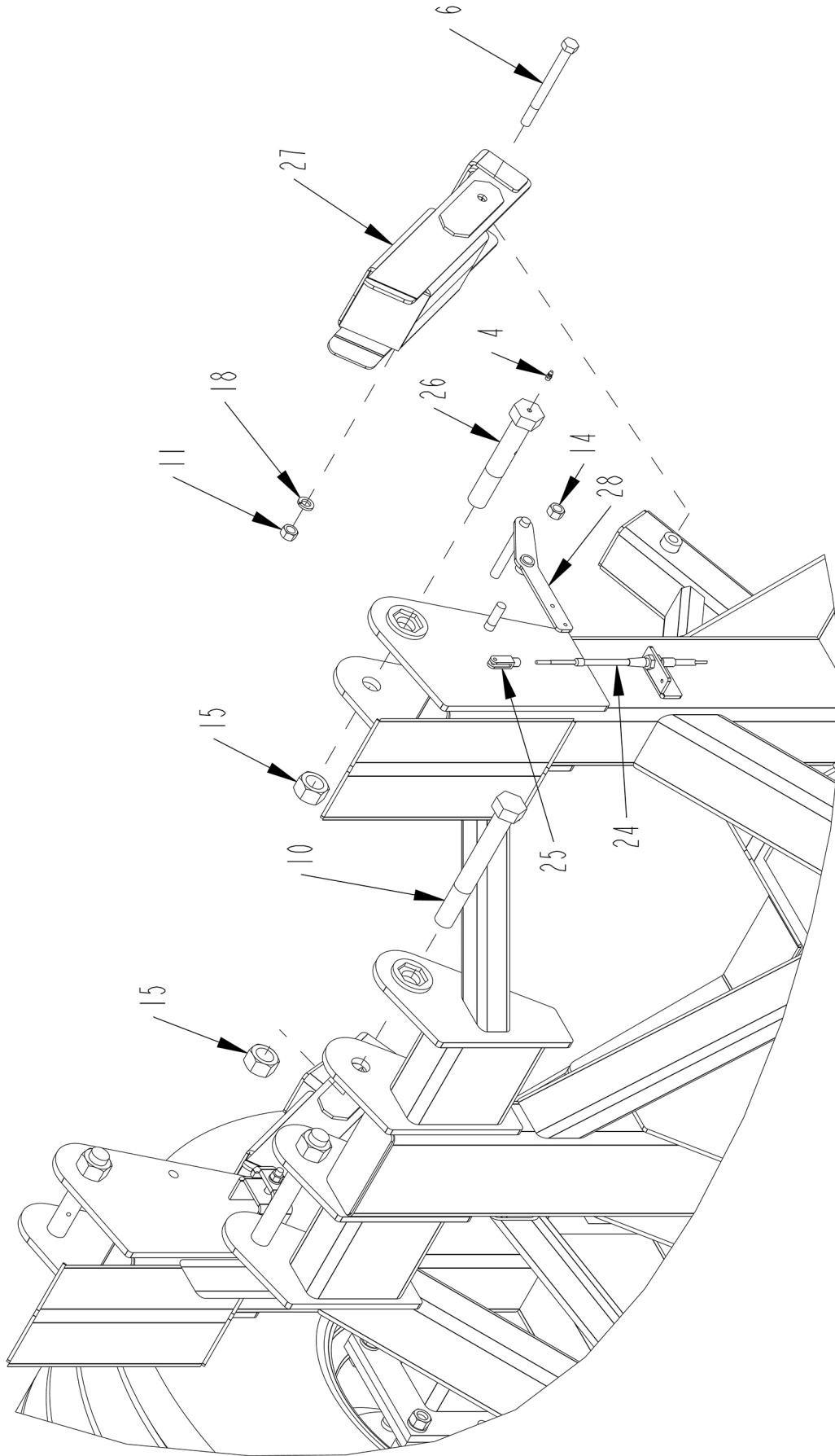


MAINFRAME ASSEMBLY S.N. 0219 & UP

ITEM	PART	QTY.	PART DESCRIPTION
1	2600053	2	TIRE\16.5LX16.1SL\14PLY
2	2600649 2600861	2	WHL\8-BOLT\16.1X14C\8K WHL\ASSY\16.5SLX16.1\14PLY (INCLUDES ITEMS 1 & 2)
3	2900140	2	HUB\ASSY\H817\8BOLT\8"B.C.\6"PILOT
4	3800082	2	FTG\LUB\1/4NFXZERK\ADAPT
5	4700776	11	CLMP\HOSE\3/8
6	4800077	2	BOLT\HEX\1/2X5-1/2
7	4800106	8	BOLT\HEX\5/8X1-1/2
8	4800248	2	BOLT\HEX\3/4X6
9	4800562	1	BOLT\HEX\3/4X5\GR8\NC
10	4800632	2	BOLT\HEX\1X8\NC\GR5\PLT
11	4900001	2	NUT\HEX\1/2\NC
12	4900002	7	NUT\HEX\3/8\NC
13	4900005	8	NUT\HEX\5/8\NC
14	4900014	1	NUT\TPLCK\1/2\NC
15	4900127	4	NUT\TPLCK\1\NC
16	4900139	3	NUT\TPLCK\3/4\GR8\NC
17	5000003	8	WASH\LOCK\5/8
18	5000006	2	WASH\LOCK\1/2
19	5000019	7	WASH\LOCK\3/8
20	5800627	1	JACK\5000LB\SWIVEL-STYLE
21	7500360	2	GRMT\RBBR\2X1.75IDX1/4T
22	7501047	1	HITCH\BASE\#3\PPI\1"PIN
23	7501048	1	HITCH\CLEVIS\PPI\1"PIN
24	7501136	1	CBL\PSH/PULL\VLD\216"LG
25	7501137	1	CLEVIS\3/16PIN\10-32ROD
26	8101352	2	BOLT\HEX\1X6\GREASE
27	8101366	2	STOP\LDR\2800
28	8101391	1	LVR\LDR\INDCTR
29	8101600	2	SPNDL\2800
30	8102105	1	MNFRM\2800\5-PIN-LINK

NOT SHOWN

1100275	1	CHAIN\1/4\SFTY\AG\11000LB
4800382	1	BOLT\HEX\3/4X6-1/2
5000005	1	WASH\FLAT\3/4
5000030	1	WASH\FLAT\13/16\2OD\1/4T
6100065	1	SPG\CLUTCH\5OD\055WD3.2LOH



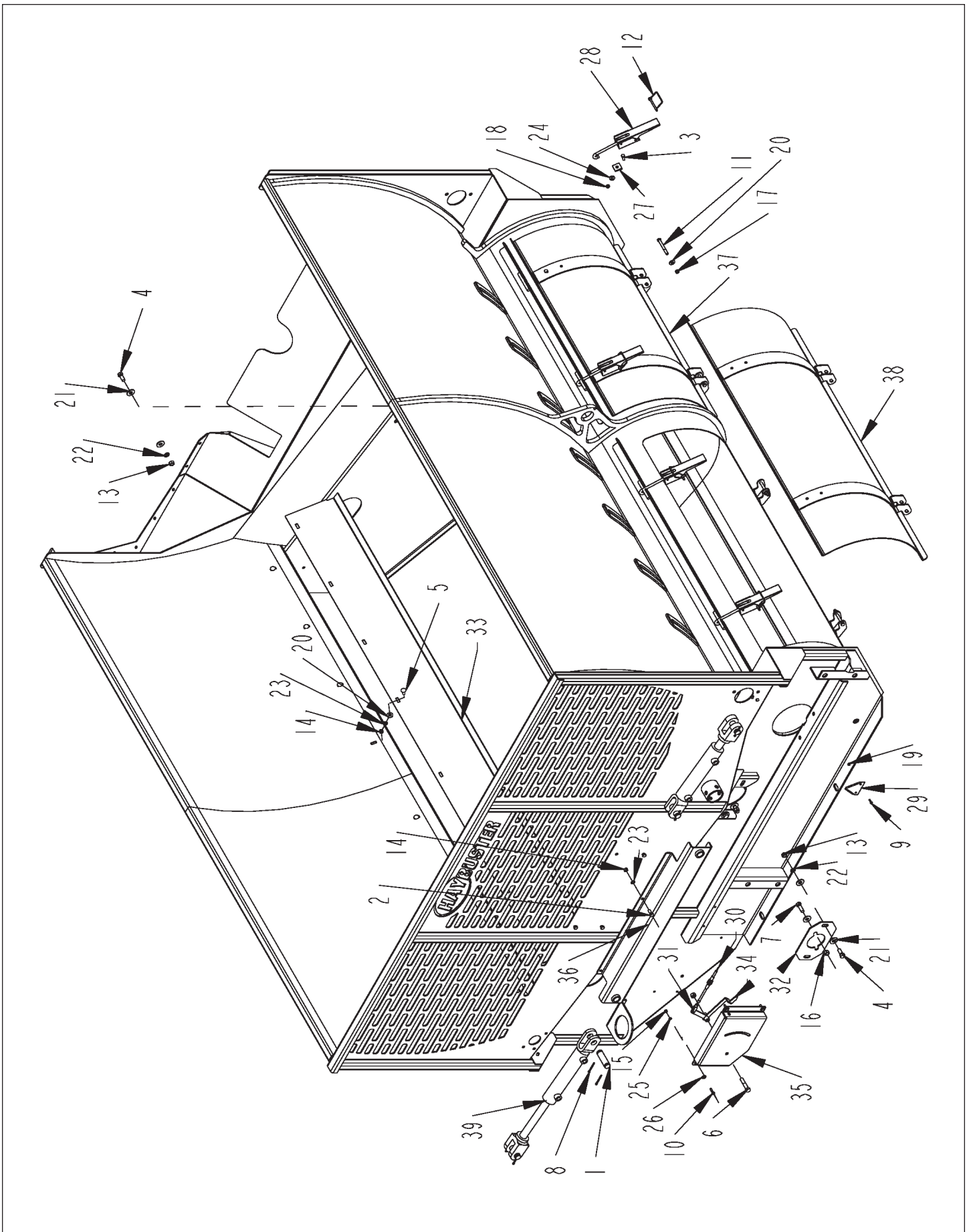
MAINFRAME ASSEMBLY S.N. 0219 & UP - DETAIL A

ITEM	PART	QTY.	PART DESCRIPTION
1	2600053	2	TIRE\16.5LX16.1SL\14PLY
2	2600649 2600861	2	WHL\8-BOLT\16.1X14C\8K WHL\ASSY\16.5SLX16.1\14PLY (INCLUDES ITEMS 1 & 2)
3	2900140	2	HUB\ASSY\H817\8BOLT\8"B.C.\6"PILOT
4	3800082	2	FTG\LUB\1/4NFXZERK\ADAPT
5	4700776	11	CLMP\HOSE\3/8
6	4800077	2	BOLT\HEX\1/2X5-1/2
7	4800106	8	BOLT\HEX\5/8X1-1/2
8	4800248	2	BOLT\HEX\3/4X6
9	4800562	1	BOLT\HEX\3/4X5\GR8\NC
10	4800632	2	BOLT\HEX\1X8\NC\GR5\PLT
11	4900001	2	NUT\HEX\1/2\NC
12	4900002	7	NUT\HEX\3/8\NC
13	4900005	8	NUT\HEX\5/8\NC
14	4900014	1	NUT\TPLCK\1/2\NC
15	4900127	4	NUT\TPLCK\1\NC
16	4900139	3	NUT\TPLCK\3/4\GR8\NC
17	5000003	8	WASH\LOCK\5/8
18	5000006	2	WASH\LOCK\1/2
19	5000019	7	WASH\LOCK\3/8
20	5800627	1	JACK\5000LB\SWIVEL-STYLE
21	7500360	2	GRMT\RBBR\2X1.75IDX1/4T
22	7501047	1	HITCH\BASE\#3\PPI\1"PIN
23	7501048	1	HITCH\CLEVIS\PPI\1"PIN
24	7501136	1	CBL\PSH/PULL\VLD\216"LG
25	7501137	1	CLEVIS\3/16PIN\10-32ROD
26	8101352	2	BOLT\HEX\1X6\GREASE
27	8101366	2	STOP\LDR\2800
28	8101391	1	LVR\LDR\INDCTR
29	8101600	2	SPNDL\2800
30	8102105	1	MNFRM\2800\5-PIN-LINK

NOT SHOWN

1100275	1	CHAIN\1/4\SFTY\AG\11000LB
4800382	1	BOLT\HEX\3/4X6-1/2
5000005	1	WASH\FLAT\3/4
5000030	1	WASH\FLAT\13/16\2OD\1/4T
6100065	1	SPG\CLUTCH\5OD\055WD3.2LOH

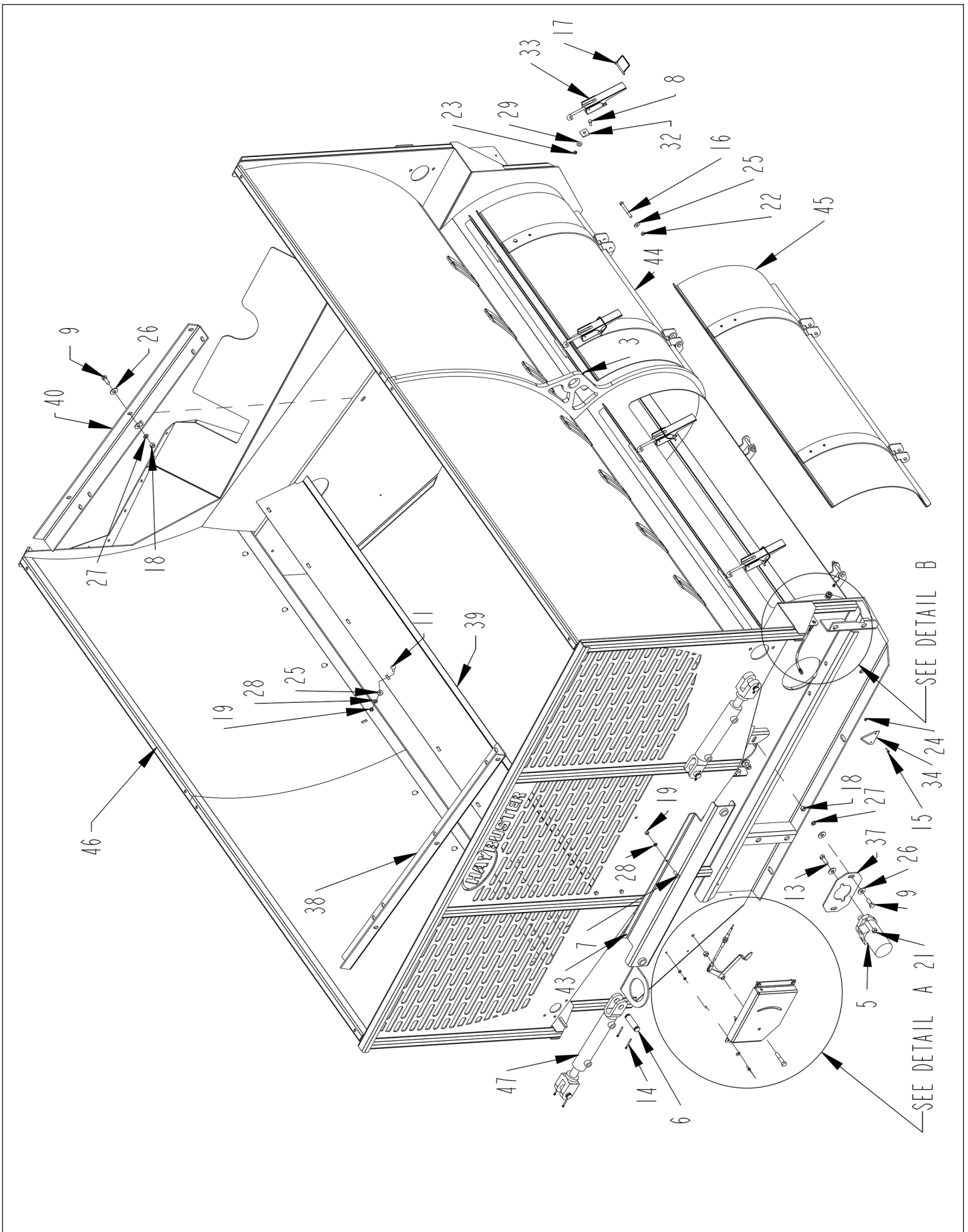
SHREDDER ASSEMBLY (S.N. UP TO 28-GJ-0098-00)



SHREDDER ASSEMBLY (S.N. UP TO 28-GJ-0098-00)

ITEM	PART	QTY.	PART DESCRIPTION
1	4100030	4	PIN 1" X 3-1/2" HYD. CYL.
2	4800003	4	BOLT\HEX\3/8X1
3	4800013	8	BOLT\HEX\5/16X1
4	4800018	8	BOLT\HEX\1/2X1-1/4
5	4800053	8	BOLT\CRG\3/8X1\NC
6	4800070	1	BOLT\HEX\1/2X2-1/2
7	4800082	2	BOLT\HEX\1/2X1-1/2
8	4800120	8	PIN\COT\3/16X1-3/4
9	4800220	2	SCR\RD\SLOT\#10-24X3/4\NC
10	4800277	4	BOLT\HEX\1/4X1
11	4800515	4	BOLT\HEX\3/8X3-1/4\NC
12	4800911	4	PIN\LYNCH\1/4X2-1/2\
13	4900001	7	NUT\HEX\1/2\NC
14	4900002	12	NUT\HEX\3/8\NC
15	4900009	4	NUT\HEX\1/4\NC
16	4900014	3	NUT\TPLCK\1/2\NC
17	4900023	4	NUT\TPLCK\3/8\NC
18	4900142	8	NUT\TPLCK\5/16\NC
19	4900146	2	NUT\TPLCK\#12\NC
20	5000001	12	WASH\FLAT\3/8
21	5000004	19	WASH\FLAT\1/2
22	5000006	7	WASH\LOCK\1/2
23	5000019	12	WASH\LOCK\3/8
24	5000023	8	WASH\FLAT\5/16
25	5000024	4	WASH\LOCK\1/4
26	5000035	4	WASH\FLAT\1/4
27	5000132	4	WASH\BEVELED\SQ\3/8
28	7501045	4	LATCH\ADJ\OTC\4" GRIP
29	7501050	1	PLATE\SICKLE
30	7501136	1	CBL\PSH/PULL\VLD\216"LG
31	7501137	1	CLEVIS\3/16PIN\10-32ROD
32	8100036	1	MNT\MTR\HYD
33	8101359	1	SH\SHRDR\FLLR
34	8101392	1	NEEDLE\IND\LDR
35	8101393	1	INDCTR\LDR\FRNT
36	8101608	1	MNT\CYL\DFCLTR
37	8101612	1	CVR\CLEANOUT
38	8101613	1	CVR\CLEANOUT
39	4100226	2	CYL\HYD\2X8\1-1/4RD\WELDE

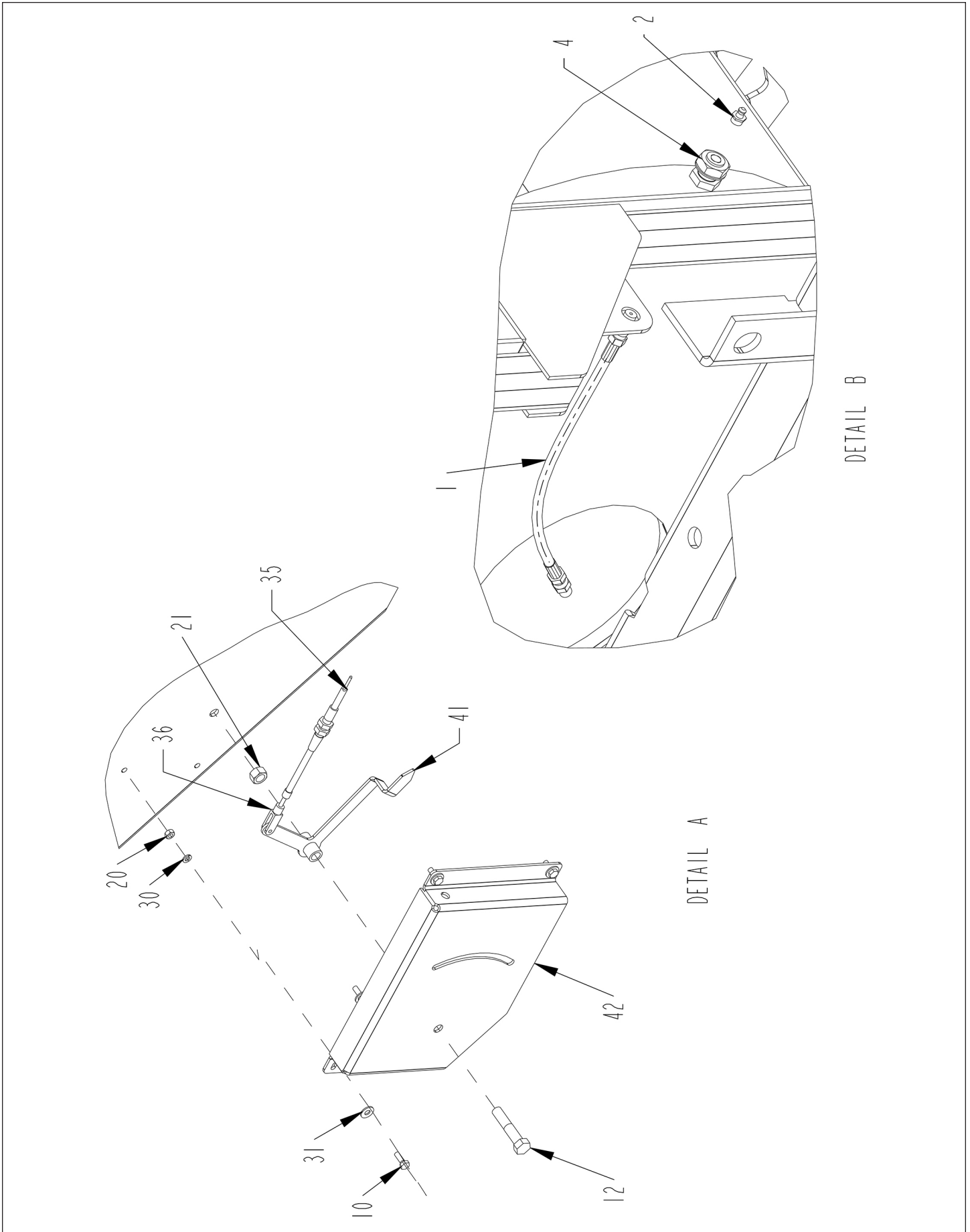
SHREDDER ASSEMBLY (S.N. 28-IJ-0099-00 AND UP)



SHREDDER ASSEMBLY (S.N. 28-IJ-0099-00 AND UP)

ITEM	PART	QTY.	PART DESCRIPTION
1	3700769	1	HOSE\LUB\1/8X23\MPS-MPS
2	3800043	1	FTG\LUB\1/8MPXZRK\SHORT
3	3800082	1	FTG\LUB\1/4NFXZERK\ADAPT
4	3800895	1	FTG\1/8FP\CPLG\ANCHOR\5/8NF
5	3900025	1	MOTOR\HYD\17.9\H
6	4100030	4	PIN 1" X 3-1/2" HYD. CYL.
7	4800003	4	BOLT\HEX\3/8X1
8	4800013	8	BOLT\HEX\5/16X1
9	4800018	8	BOLT\HEX\1/2X1-1/4
10	4800024	4	BOLT\HEX\1/4X3/4
11	4800053	8	BOLT\CRG\3/8X1\NC
12	4800070	1	BOLT\HEX\1/2X2-1/2
13	4800082	2	BOLT\HEX\1/2X1-1/2
14	4800120	8	PIN\COT\3/16X1-3/4
15	4800220	2	SCR\RD\SLOT#10-24X3/4\NC
16	4800515	4	BOLT\HEX\3/8X3-1/4\NC
17	4800911	4	PIN\LYNCH\1/4X2-1/2\
18	4900001	8	NUT\HEX\1/2\NC
19	4900002	12	NUT\HEX\3/8\NC
20	4900009	4	NUT\HEX\1/4\NC
21	4900014	3	NUT\TPLCK\1/2\NC
22	4900023	4	NUT\TPLCK\3/8\NC
23	4900142	8	NUT\TPLCK\5/16\NC
24	4900146	2	NUT\TPLCK\#12\NC
25	5000001	12	WASH\FLAT\3/8
26	5000004	18	WASH\FLAT\1/2
27	5000006	8	WASH\LOCK\1/2
28	5000019	12	WASH\LOCK\3/8
29	5000023	8	WASH\FLAT\5/16
30	5000024	4	WASH\LOCK\1/4
31	5000035	4	WASH\FLAT\1/4
32	5000132	4	WASH\BEVELED\SQ\3/8
33	7501045	4	LATCH\ADJ\OTC\4" GRIP
34	7501050	1	PLATE\SICKLE
35	7501136	1	CBL\PSH/PULL\VLD\216"LG
36	7501137	1	CLEVIS\3/16PIN\10-32ROD
37	8101230	1	MNT\MTR\HYD
38	8101358	1	MNT\CNVYR\3\BRK
39	8101359	1	SH\SHRDR\FLLR
40	8101360	1	MNT\CNVYR\3\BRK
41	8101392	1	NEEDLE\IND\LDR
42	8101393	1	INDCTR\LDR\FRNT
43	8101608	1	MNT\CYL\DFCLTR
44	8101612	1	CVR\CLEANOUT
45	8101613	1	CVR\CLEANOUT
46	8101629	1	SHRDR\FRM\2800
47	4100226	2	CYL\HYD\2X8\1-1/4RD-CANADIAN TOOL & DIE
47A	4100210		CYL\HYD\2X8\1-1/4RD-RAM INDUSTRIES

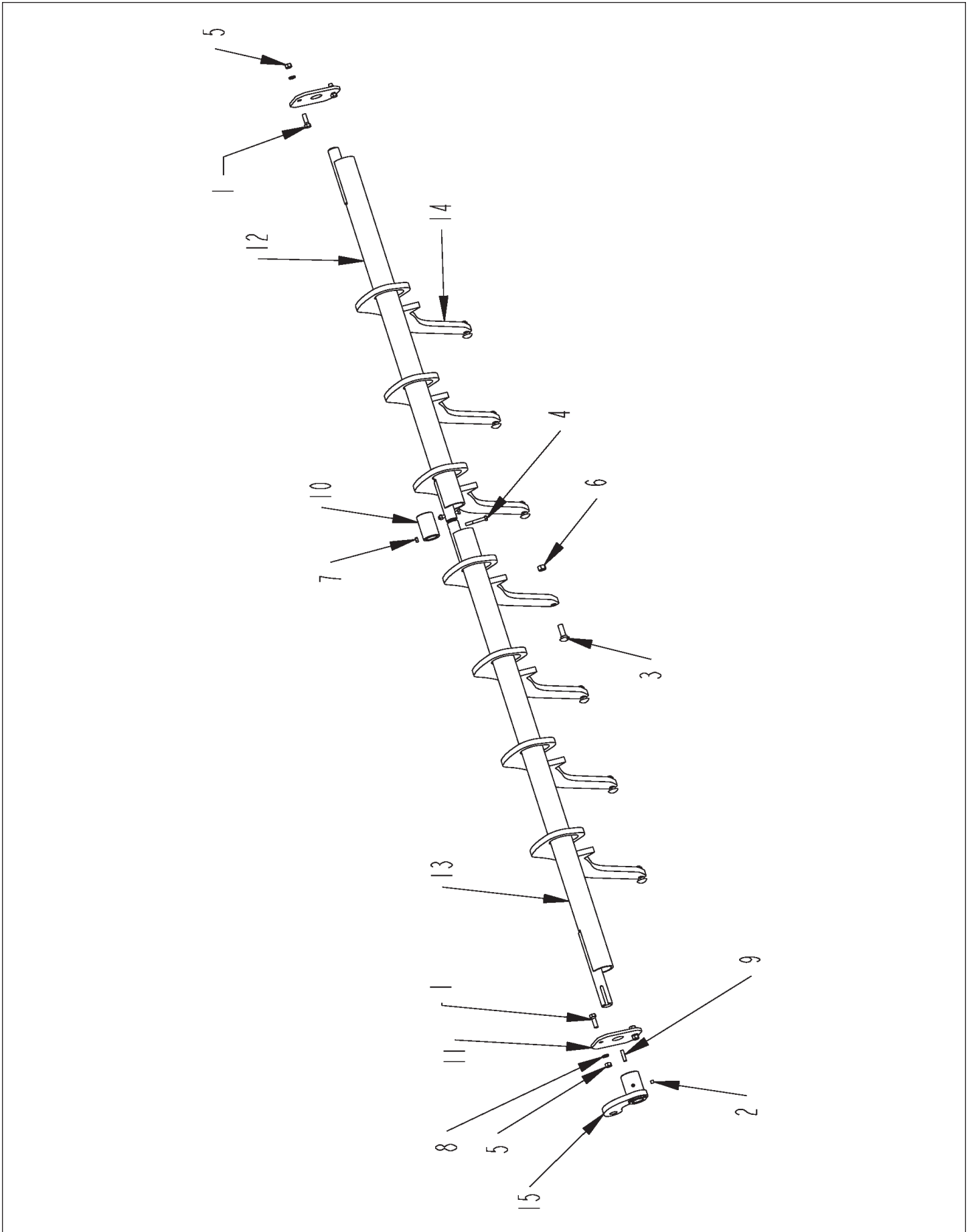
SHREDDER ASSEMBLY - DETAILS (S.N. 28-IJ-0099-00 AND UP)



SHREDDER ASSEMBLY - DETAILS (S.N. 28-IJ-0099-00 AND UP)

ITEM	PART	QTY.	PART DESCRIPTION
1	3700769	1	HOSE\LUB\1/8X23\MPS-MPS
2	3800043	1	FTG\LUB\1/8MPXZRK\SHORT
3	3800082	1	FTG\LUB\1/4NFXZERK\ADAPT
4	3800895	1	FTG\1/8FP\CPLG\ANCHOR\5/8NF
5	3900025	1	MOTOR\HYD\17.9\H
6	4100030	4	PIN 1" X 3-1/2" HYD. CYL.
7	4800003	4	BOLT\HEX\3/8X1
8	4800013	8	BOLT\HEX\5/16X1
9	4800018	8	BOLT\HEX\1/2X1-1/4
10	4800024	4	BOLT\HEX\1/4X3/4
11	4800053	8	BOLT\CRG\3/8X1\NC
12	4800070	1	BOLT\HEX\1/2X2-1/2
13	4800082	2	BOLT\HEX\1/2X1-1/2
14	4800120	8	PIN\COT\3/16X1-3/4
15	4800220	2	SCR\RD\SLOT#10-24X3/4\NC
16	4800515	4	BOLT\HEX\3/8X3-1/4\NC
17	4800911	4	PIN\LYNCH\1/4X2-1/2\
18	4900001	8	NUT\HEX\1/2\NC
19	4900002	12	NUT\HEX\3/8\NC
20	4900009	4	NUT\HEX\1/4\NC
21	4900014	3	NUT\TPLCK\1/2\NC
22	4900023	4	NUT\TPLCK\3/8\NC
23	4900142	8	NUT\TPLCK\5/16\NC
24	4900146	2	NUT\TPLCK\#12\NC
25	5000001	12	WASH\FLAT\3/8
26	5000004	18	WASH\FLAT\1/2
27	5000006	8	WASH\LOCK\1/2
28	5000019	12	WASH\LOCK\3/8
29	5000023	8	WASH\FLAT\5/16
30	5000024	4	WASH\LOCK\1/4
31	5000035	4	WASH\FLAT\1/4
32	5000132	4	WASH\BEVELED\SQ\3/8
33	7501045	4	LATCH\ADJ\OTC\4" GRIP
34	7501050	1	PLATE\SICKLE
35	7501136	1	CBL\PSH/PULL\VLD\216"LG
36	7501137	1	CLEVIS\3/16PIN\10-32ROD
37	8101230	1	MNT\MTR\HYD
38	8101358	1	MNT\CNVYR\3\BRK
39	8101359	1	SH\SHRDR\FLLR
40	8101360	1	MNT\CNVYR\3\BRK
41	8101392	1	NEEDLE\IND\LDR
42	8101393	1	INDCTR\LDR\FRNT
43	8101608	1	MNT\CYL\DFCLTR
44	8101612	1	CVR\CLEANOUT
45	8101613	1	CVR\CLEANOUT
46	8101629	1	SHRDR\FRM\2800
47	4100226	2	CYL\HYD\2X8\1-1/4RD-CANADIAN TOOL & DIE
47A	4100210		CYL\HYD\2X8\1-1/4RD-RAM INDUSTRIES

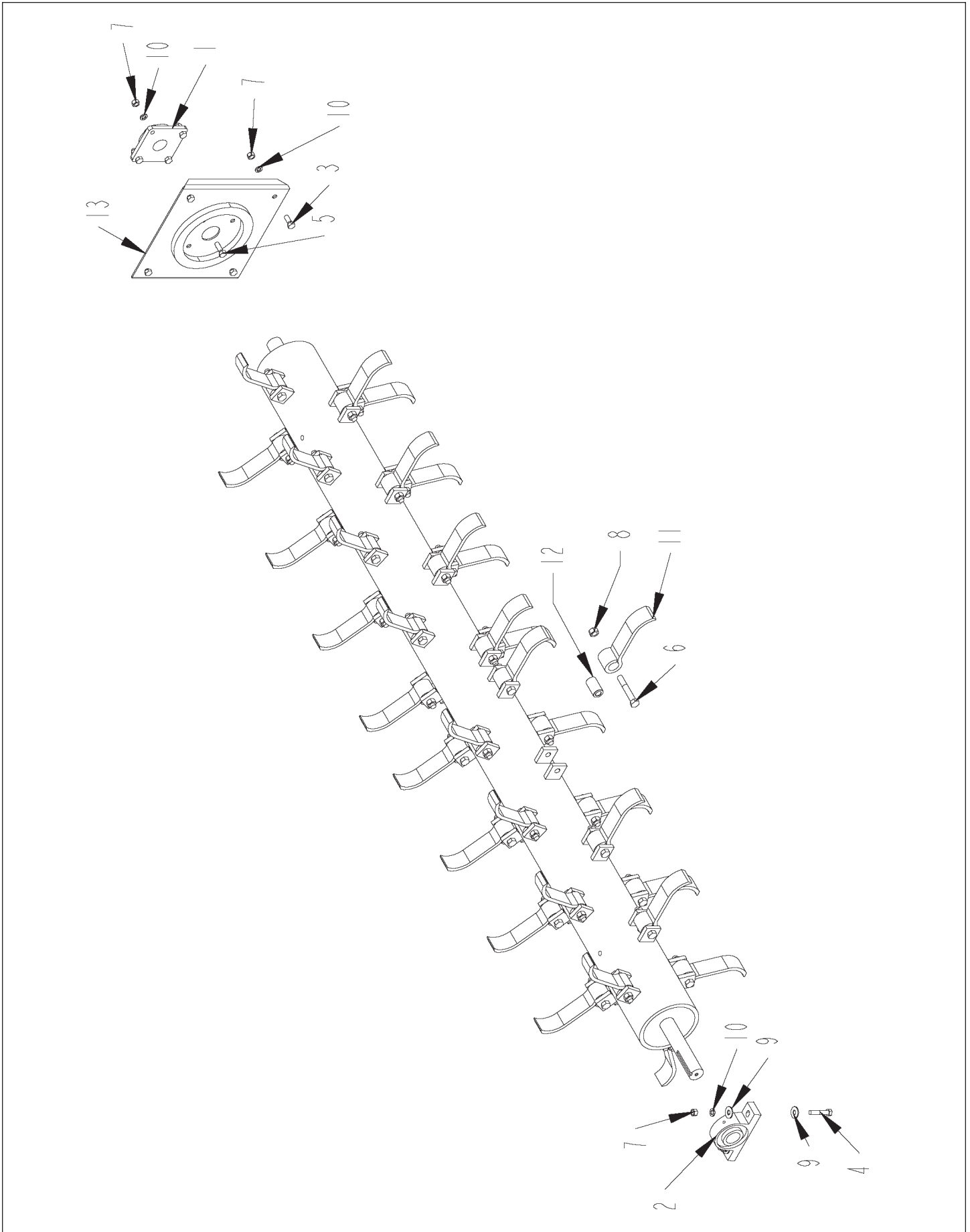
SLUGBAR ASSEMBLY



SLUGBAR ASSEMBLY

ITEM	PART	QTY.	PART DESCRIPTION
1	4800082	4	BOLT\HEX\1/2X1-1/2
2	4800143	2	SCR\SET\ALN\3/8X3/8\NC
3	4800483	7	BOLT\CRG\5/8X2\NC
4	4800514	2	BOLT\HEX\3/8X2-3/4
5	4900001	4	NUT\HEX\1/2\NC
6	4900012	7	NUT\TPLCK\5/8\NC
7	4900023	2	NUT\TPLCK\3/8\NC
8	5000006	4	WASH\LOCK\1/2
9	6200020	1	KEY\SQ\3/8X2-1/4\HARDEND
10	8101223	1	BUSH\CAM\SLUGBAR
11	8101224	2	MNT\SLUGBAR
12	8101384	1	CAM\SLUGBAR
13	8101385	1	CAM\SLUGBAR
14	8101389	7	BAR\SLUG\ADJ
15	8101607	1	ARM\SLUGBAR

ROTOR ASSEMBLY (S.N. UP TO 28-GJ-0098-00)



ROTOR ASSEMBLY (S.N. UP TO 28-GJ-0098-00)

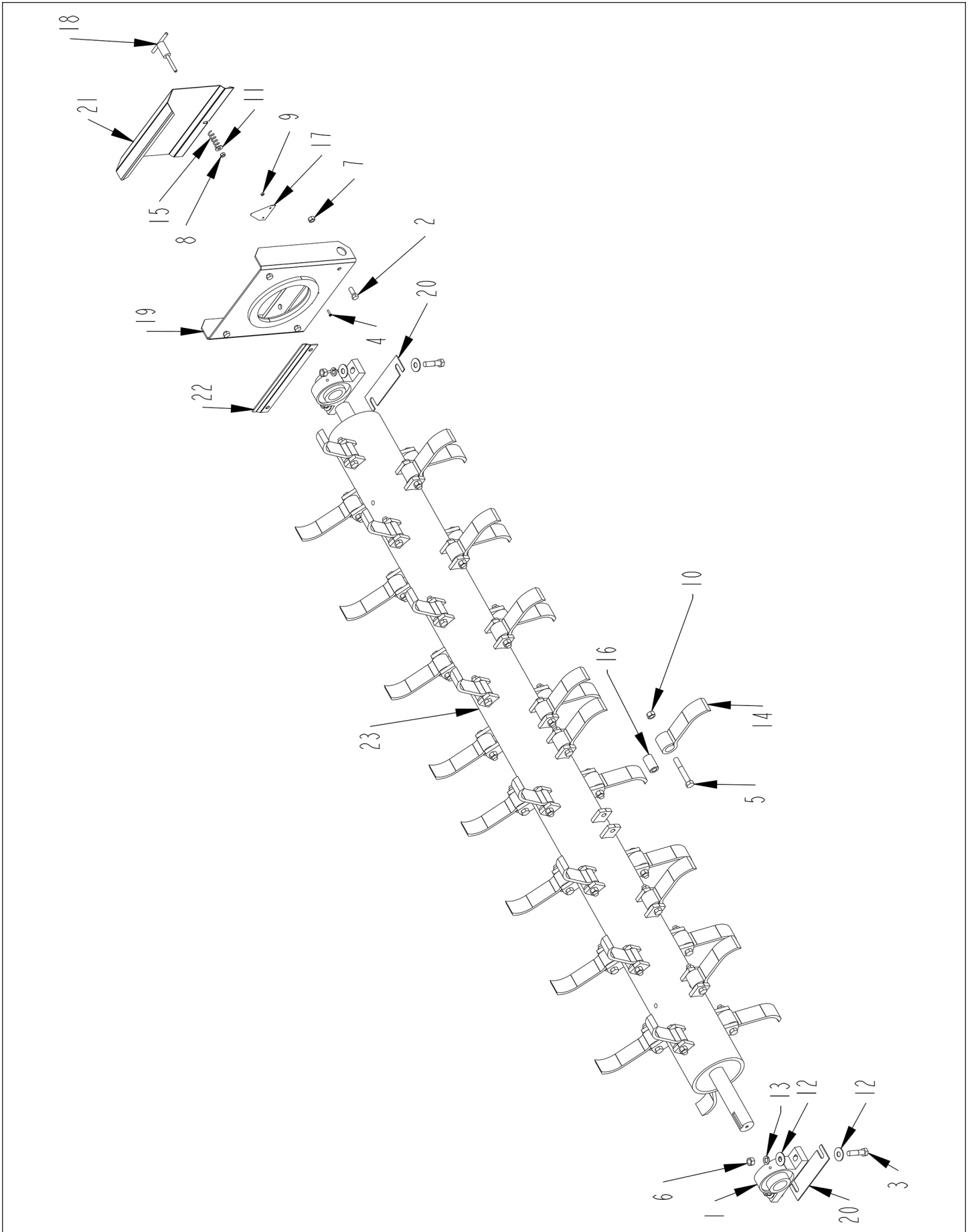
ITEM	PART	QTY.	PART DESCRIPTION
1	2000311	1	BRG\FLG\1-1/2\BOLT
2	2000514	1	BRG\PB\1-3/4\2BOLT\MALLEABLE
3	4800018	4	BOLT\HEX\1/2X1-1/4
4	4800070	2	BOLT\HEX\1/2X2-1/2
5	4800082	4	BOLT\HEX\1/2X1-1/2
6	4800598	40	BOLT\HEX\5/8X4\NF\GR8
7	4900001	10	NUT\HEX\1/2\NC
8	4900179	40	NUT\TPLCK\RTR\5/8\NF\GR9
9	5000004	4	WASH\FLAT\1/2
10	5000006	10	WASH\LOCK\1/2
11	5200012	40	FLAIL\BB\8
12	7500223	40	BUSH\FLAIL\1-1/4X5/8IDX2L
13	8101213	1	PL\END\RTR

8101369 RTR\FLAIL\2800

NOT SHOWN

8101631 SHM\10GA\BRG\RTR

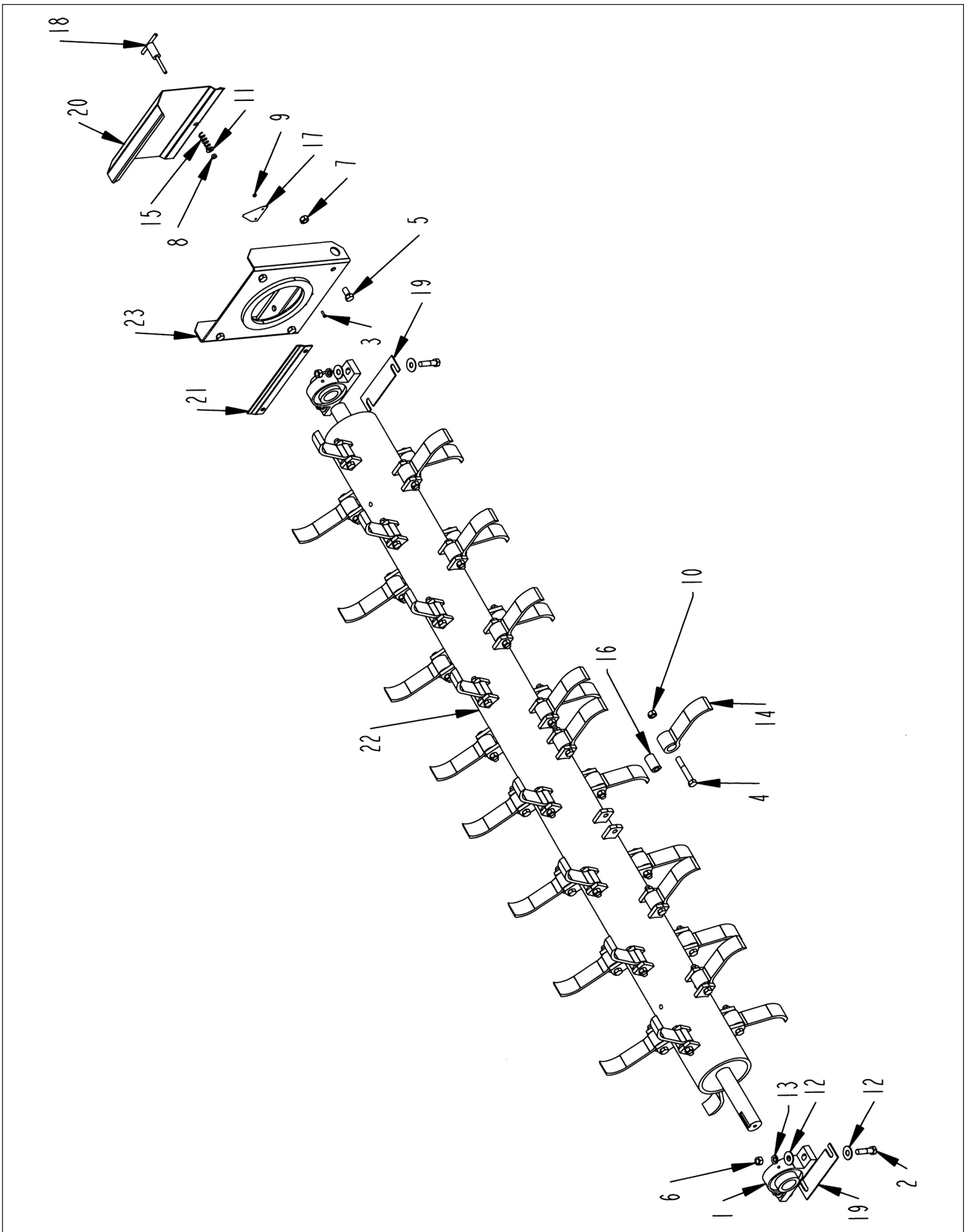
ROTOR ASSEMBLY (S.N. 28-IJ-0099-00 THRU 28-15-0268-00)



ROTOR ASSEMBLY (S.N. 28-IJ-0099-00 THRU 28-15-0268-00)

ITEM	PART	QTY.	PART DESCRIPTION
1	2000510	2	BRG\PB\2\2BOLT
2	4800018	4	BOLT\HEX\1/2X1-1/4
3	4800079	4	BOLT\HEX\5/8X2-1/2
4	4800220	2	SCR\RD\SLOT\#10-24X3/4\NC
5	4800598	40	BOLT\HEX\5/8X4\NF\GR8
6	4900005	4	NUT\HEX\5/8\NC
7	4900014	4	NUT\TPLCK\1/2\NC
8	4900023	1	NUT\TPLCK\3/8\NC
9	4900146	2	NUT\TPLCK\#12\NC
10	4900179	40	NUT\TPLCK\5/8\GR9\NF
11	5000001	1	WASH\FLAT\3/8
12	5000002	8	WASH\FLAT\5/8
13	5000003	4	WASH\LOCK\5/8
14	5200012	40	FLAIL\BB\8
15	6100002	1	SPRING\COMP\.072W\11/16OD\2-1/8LONG
16	7500223	40	BUSH\FLAIL\1-1/4X.687x2-1/8L
17	7501050	1	PLATE\SICKLE
18	8101546	1	LATCH\SHLD\BRG\REAR\RTR
19	8101630	1	BRKT\BRG\REAR\RTR
20	8101631 AS NEEDED		SHM\10GA\BRG\RTR
20A	8101462 AS NEEDED		SHM\16GA\BRG\RTR
21	8101632	1	SHLD\BRG\REAR\RTR
22	8101633	1	MNT\SHLD\REAR\BRG\RTR
23	8101639	1	RTR\2800

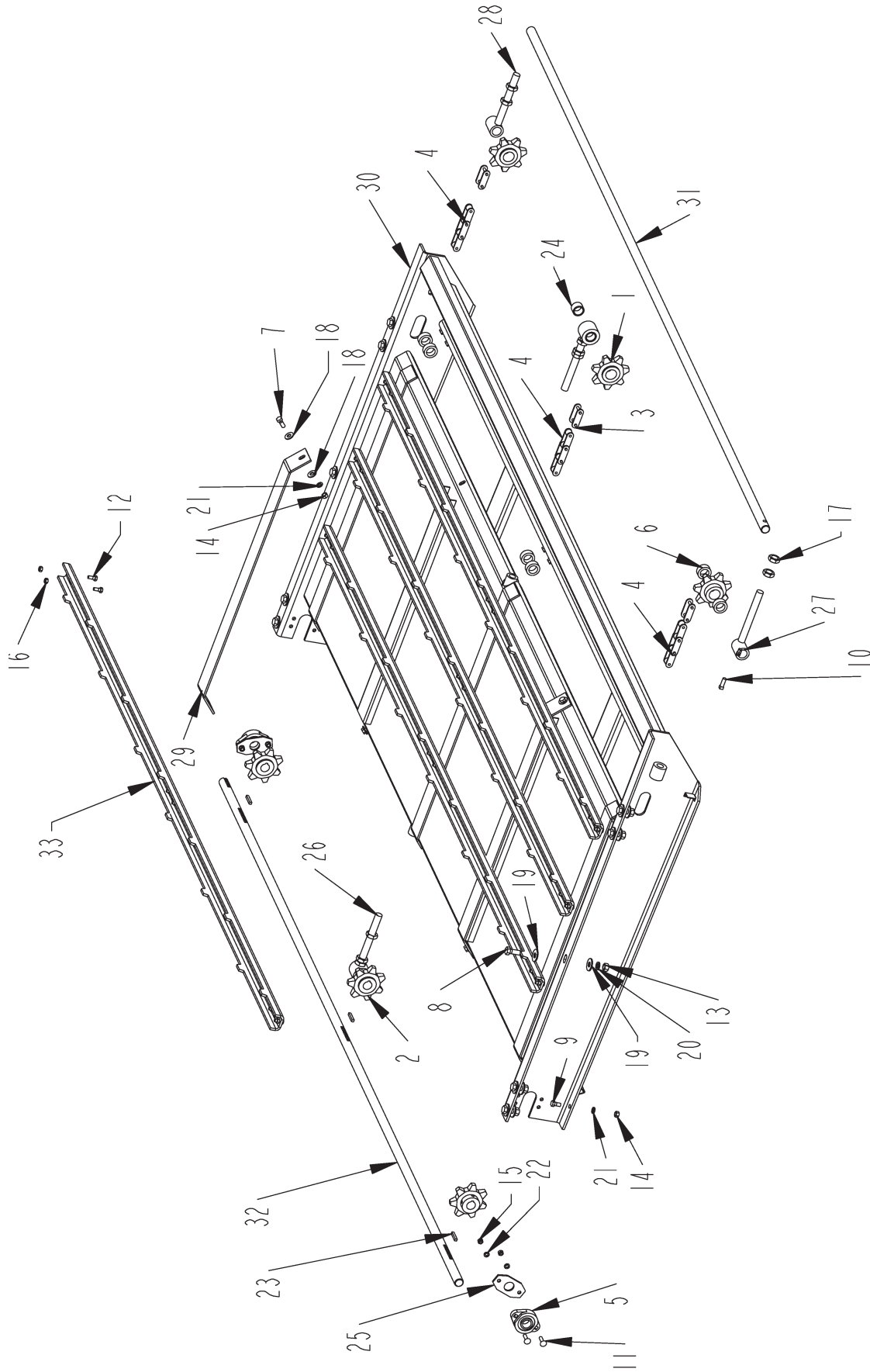
ROTOR ASSEMBLY (S.N. 0269 AND UP)



ROTOR ASSEMBLY (S.N. 0269 AND UP)

ITEM	PART	QTY.	PART DESCRIPTION
1	2000510	2	BRG\PB\2\2BOLT
2	4800079	4	BOLT\HEX\5/8X2-1/2
3	4800220	2	SCR\RD\SLOT\#10-24X3/4\NC
4	4800598	40	BOLT\HEX\5/8X4\NF\GR8
5	4801199	4	BOLT\HEX\5/8X1-1/4\GR8
6	4900005	4	NUT\HEX\5/8\NC
7	4900012	4	NUT\TPLCK\5/8\NC
8	4900023	1	NUT\TPLCK\3/8\NC
9	4900146	2	NUT\TPLCK\#12\NC
10	4900179	40	NUT\TPLCK\5/8\GR9\NF
11	5000001	1	WASH\FLAT\3/8
12	5000002	8	WASH\FLAT\5/8
13	5000003	4	WASH\LOCK\5/8
14	5200012	40	FLAIL\BB\8
15	6100002	1	SPRING\COMP\.072W\11/16OD\2-1/8LONG
16	7500223	40	BUSH\FLAIL\1-1/4X.687x2-1/8L
17	7501050	1	PLATE\SICKLE
18	8101546	1	LATCH\SHLD\BRG\REAR\RTR
19	8101631 AS NEEDED		SHM\10GA\BRG\RTR
19A	8101462 AS NEEDED		SHM\16GA\BRG\RTR
20	8101632	1	SHLD\BRG\REAR\RTR
21	8101633	1	MNT\SHLD\REAR\BRG\RTR
22	8101639	1	RTR\2800
23	8102156	1	BRKT\BRG\REAR\RTR

CONVEYOR ASSEMBLY (S.N. UP TO 28-GJ-0098-00)



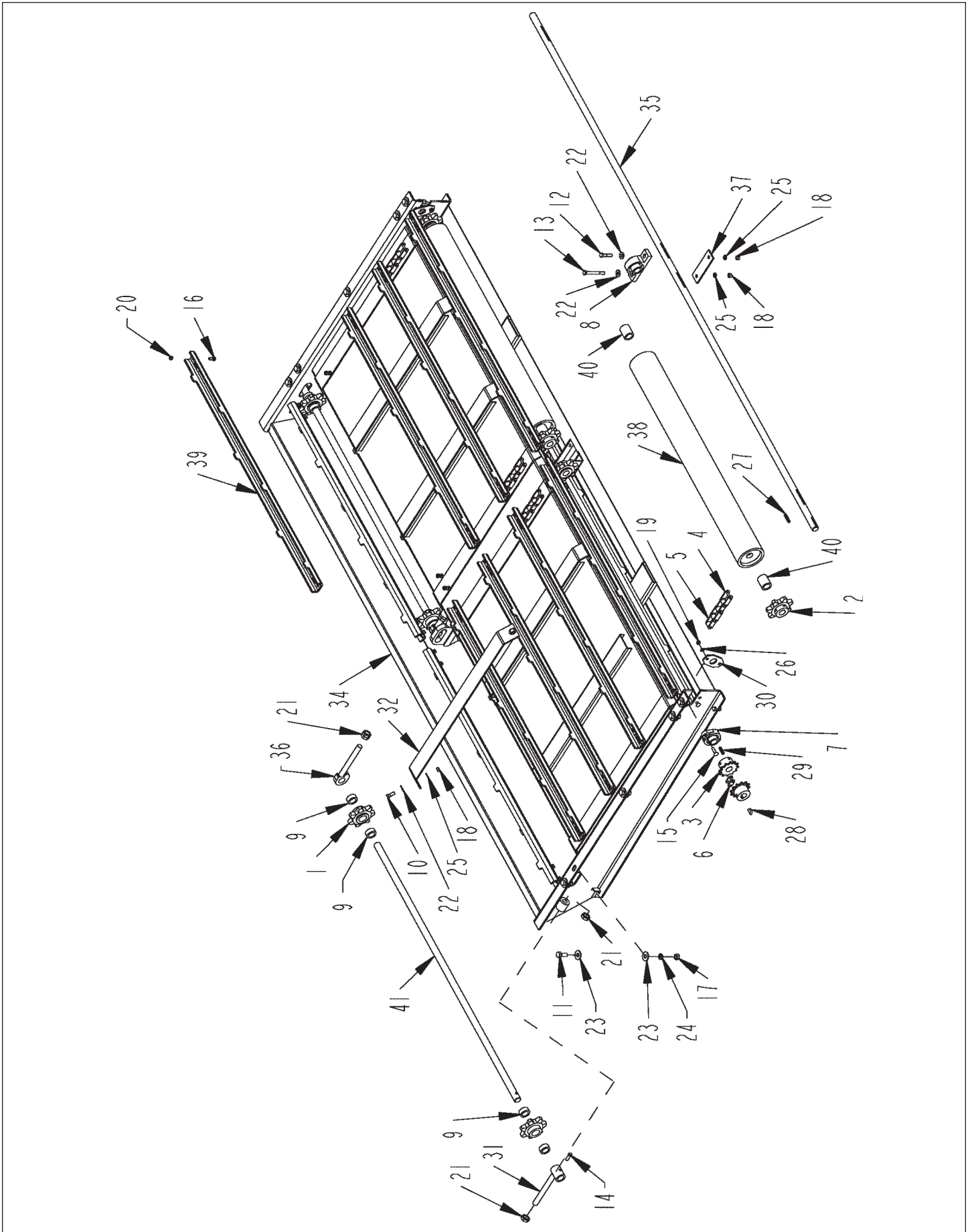
CONVEYOR ASSEMBLY (S.N. UP TO 28-GJ-0098-00)

ITEM	PART	QTY.	PART DESCRIPTION
1	1000088	3	SPKT\662\7\1\IDLER\CA
2	1000089	3	SPKT\662\7\1\1/4KW\DR
3	1100103	3	CHAIN\620CA\CL
4	1100150	3	CHAIN\620CA\53\W\ATTCH
5	2000310	2	BRG\FLG\CAST\1\2BOLT
6	2000809	6	CLLOR\SHFT\1\(\SET)
7	4800003	4	BOLT\HEX\3/8X1
8	4800018	10	BOLT\HEX\1/2X1-1/4
9	4800164	2	BOLT\HEX\3/8X3/4
10	4800307	1	SCR\SET\SQ\3/8X1\NC
11	4800474	4	BOLT\CRG\5/16X1-1/4\NC
12	4800643	54	BOLT\HEX\5/16X3/4
13	4900001	10	NUT\HEX\1/2\NC
14	4900002	6	NUT\HEX\3/8\NC
15	4900003	4	NUT\HEX\5/16\NC
16	4900099	54	NUT\TPLCK\5/16\GR8\NC
17	4900104	10	NUT\JAM\3/4\NC
18	5000001	8	WASH\FLAT\3/8
19	5000004	20	WASH\FLAT\1/2
20	5000006	10	WASH\LOCK\1/2
21	5000019	6	WASH\LOCK\3/8
22	5000022	4	WASH\LOCK\5/16
23	6200005	3	KEY\SQ\1/4X1-1/2
24	7500147	4	BUSH\OILITE\1IDX1-1/4X7/8
25	8100449	2	GUARD\TWINE\CNVYR
26	8100585	2	BRKT\SHFT\DRIVE\CNVYR
27	8100783	1	BRKT\SHAFT\IDLER\CNVYR
28	8101022	1	BRKT\SHAFT\IDLER\NO-TAP
29	8101052	2	PL\RUB\CHAIN\CNVYR
30	8101203	1	FRM\CNVYR\FLATBOTTOM
31	8101204	1	SHFT\IDLER\CNVYR
32	8101205	1	SHFT\DRV\CNVYR
33	8101611	9	PLT\SLAT\2800

NOT SHOWN

1000233	2	SPKT\CPLNG\60\12\1\HT\>
1100240	1	SPKT\B\120\17\2-1/4BORE\>
3900025	1	MTR\HYD\17.9\HA;MNT>
6200011	1	KEY\WDF\1/4X1\#15\808
6200014	1	KEY\SQ\1/4X1-1/4

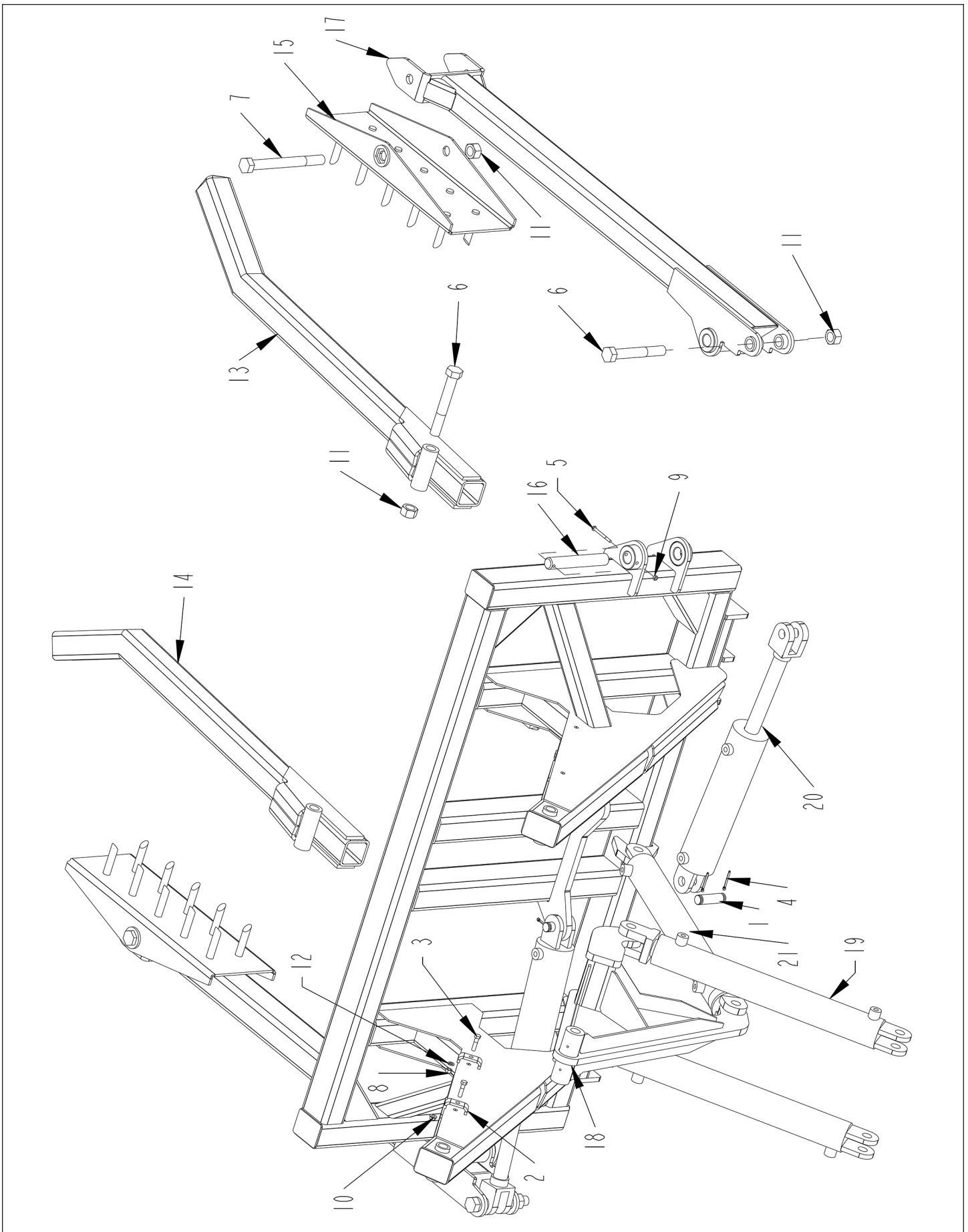
CONVEYOR ASSEMBLY (S.N. 28-IJ-0099-00 AND UP)



CONVEYOR ASSEMBLY (S.N. 28-IJ-0099-00 AND UP)

ITEM	PART	QTY.	PART DESCRIPTION
1	1000088	4	SPKT\662\7\1\IDLER\CA
2	1000089	4	SPKT\662\7\1\1\4KW\DR
3	1000233	2	SPKT\60\B\12\1\1\4KW
4	1100103	4	CHAIN\620CA\CL
5	1100150	4	CHAIN\620CA\53\W\ATTCH
6	1100240	1	CHAIN\60\12\CPLNG\W-CL
7	2000310	2	BRG\FLG\CAST\1\2BOLT
8	2000503	1	BRG\PB\1\2BOLT
9	2000809	8	CLLOR\SHFT\1\(\SET)
10	4800003	10	BOLT\HEX\3\8X1
11	4800018	10	BOLT\HEX\1\2X1-1/4
12	4800142	1	BOLT\HEX\3\8X1-3/4
13	4800197	1	BOLT\HEX\3\8X3-1/2
14	4800307	2	SCR\SET\SQ\3\8X1\NC
15	4800474	4	BOLT\CRG\5\16X1-1/4\NC
16	4800643	72	BOLT\HEX\5\16X3/4
17	4900001	10	NUT\HEX\1\2\NC
18	4900002	14	NUT\HEX\3\8\NC
19	4900003	4	NUT\HEX\5\16\NC
20	4900099	72	NUT\TPLCK\5\16\GR8\NC
21	4900104	8	NUT\JAM\3\4\NC
22	5000001	10	WASH\FLAT\3\8
23	5000004	20	WASH\FLAT\1\2
24	5000006	10	WASH\LOCK\1\2
25	5000019	10	WASH\LOCK\3\8
26	5000022	4	WASH\LOCK\5\16
27	6200005	4	KEY\SQ\1\4X1-1/2
28	6200011	1	KEY\WDF\1\4X1
29	6200014	1	KEY\SQ\1\4X1-1/4
30	8100449	2	GUARD\TWINE\CNVYR
31	8100783	2	BRKT\SHAFT\IDLER\CNVYR
32	8101052	4	PL\RUB\CHAIN\CNVYR
33	8101642	1	CNVYR\ASSY\2800
34	8101643	1	FRM\CNVYR\2800\2SLAT
35	8101644	1	SHFT\DRV\CNVYR
36	8101645	2	TNSNR\CHAIN
37	8101646	1	SH\BRNG\CONVYR
38	8101647	2	SPPT\SHAFT\SLAT
39	8101648	18	PLT\SLAT\2800
40	8101649	4	TUBE\SPCR\SHAFT
41	8101650	2	SHFT\IDLER\CNVYR
	8101642		CNVYR\ASSY\2800

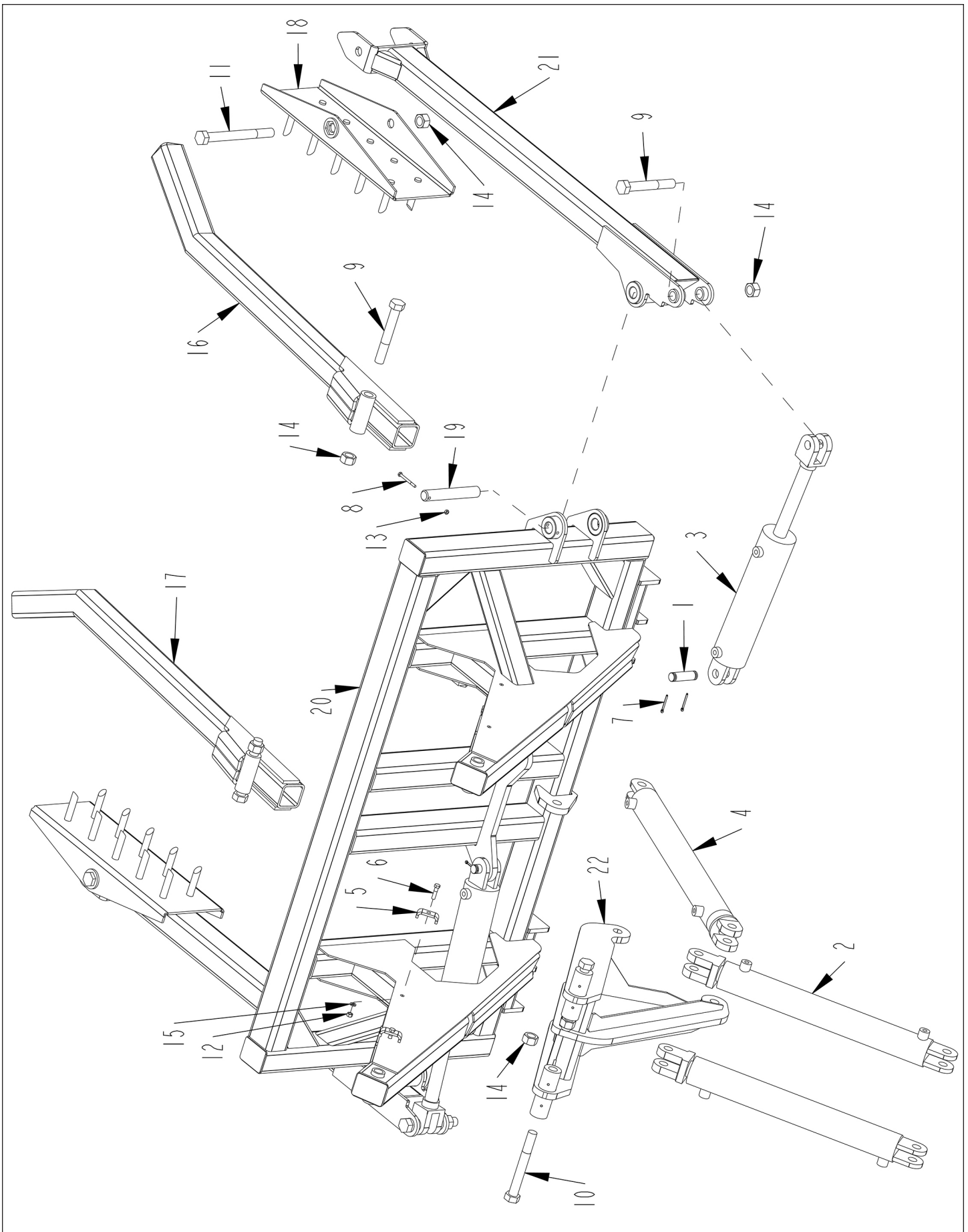
LOADER ASSEMBLY THRU S.N. 0218



LOADER ASSEMBLY THRU S.N. 0218

ITEM	PART	QTY.	PART DESCRIPTION
1	4100030	8	PIN 1" X 3-1/2" HYD. CYL.
2	4700776	4	CLMP\HOSE\3/8
3	4800034	4	BOLT\HEX\3/8X1-1/2
4	4800120	16	PIN\COT\3/16X1-3/4
5	4800193	2	BOLT\HEX\1/4X2-3/4
6	4800471	4	BOLT\HEX\1X7\NC
7	4800637	2	BOLT\HEX\1X10\NC
8	4900002	2	NUT\HEX\3/8\NC
9	4900084	2	NUT\TPLCK\1/4\NC
10	4900090	2	NUT\FLG\3/8\NC
11	4900127	6	NUT\TPLCK\1\NC
12	5000019	2	WASH\LOCK\3/8
13	8101033	1	TINE\SQ\LEFTHAND
14	8101075	1	TINE\SQ\RIGHTHAND
15	8101250	2	PAD\GRIP\BALE
16	8101351	2	PIN\SQZE\BALE
17	8101356	2	ARM\SQZE\BALE
18	8101616	1	LINK\PIVOT\LDR
19	4100261	2	CYL\HYD\3X20\1-1/2ROD
20	4100268	2	CYL\HYD\3-1/2X12\1-1/2ROD
21	4100269	1	CYL\HYD\3X24\1-1/2ROD

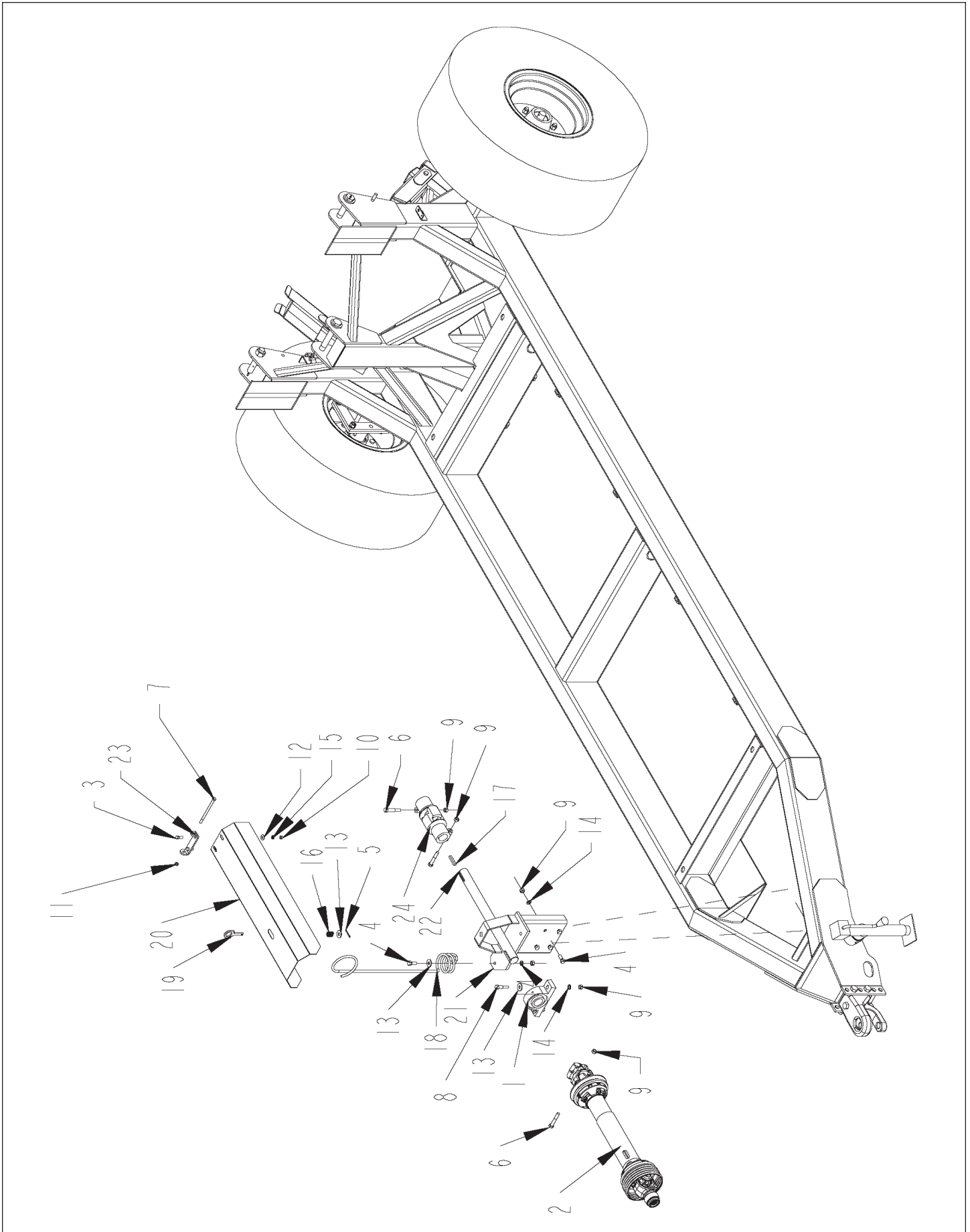
LOADER ASSEMBLY S.N. 0219 & UP



LOADER ASSEMBLY S.N. 0219 & UP

ITEM	PART	QTY.	PART DESCRIPTION
1	4100030	8	PIN 1" X 3-1/2" HYD. CYL.
2	4100261	2	CYL\HYD\3X20\1-1/2ROD -CANADIAN TOOL & DIE
2A	4100328		CYL\HYD\3X20\1-1/2ROD -RAM INDUSTRIES
3	4100268	2	CYL\HYD\3-1/2X12\1-1/2ROD -CANADIAN TOOL & DIE
3A	4100216		CYL\HYD\3-1/2X12\1-1/2ROD -RAM INDUSTRIES
4	4100269	1	CYL\HYD\3X24\1-1/2ROD -CANADIAN TOOL & DIE
4A	4100250		CYL\HYD\3X24\1-1/2ROD -RAM INDUSTRIES
5	4700776	4	CLMP\HOSE\3/8
6	4800034	4	BOLT\HEX\3/8X1-1/2
7	4800120	16	PIN\COT\3/16X1-3/4
8	4800193	2	BOLT\HEX\1/4X2-3/4
9	4800471	4	BOLT\HEX\1X7\NC
10	4800632	2	BOLT\HEX\1X8\NC\GR5\PLT
11	4800637	2	BOLT\HEX\1X10\NC
12	4900002	2	NUT\HEX\3/8\NC
13	4900084	2	NUT\TPLCK\1/4\NC
14	4900127	8	NUT\TPLCK\1\NC
15	5000019	2	WASH\LOCK\3/8
16	8101033	1	TINE\SQ\LEFTHAND
17	8101075	1	TINE\SQ\RIGHTHAND
18	8101250	2	PAD\GRIP\BALE
19	8101351	2	PIN\SQZE\BALE
20	8101355	1	LDR\BALE\2800
21	8101356	2	ARM\SQZE\BALE
22	8102003	1	LINK\PIN\FIVE\2800

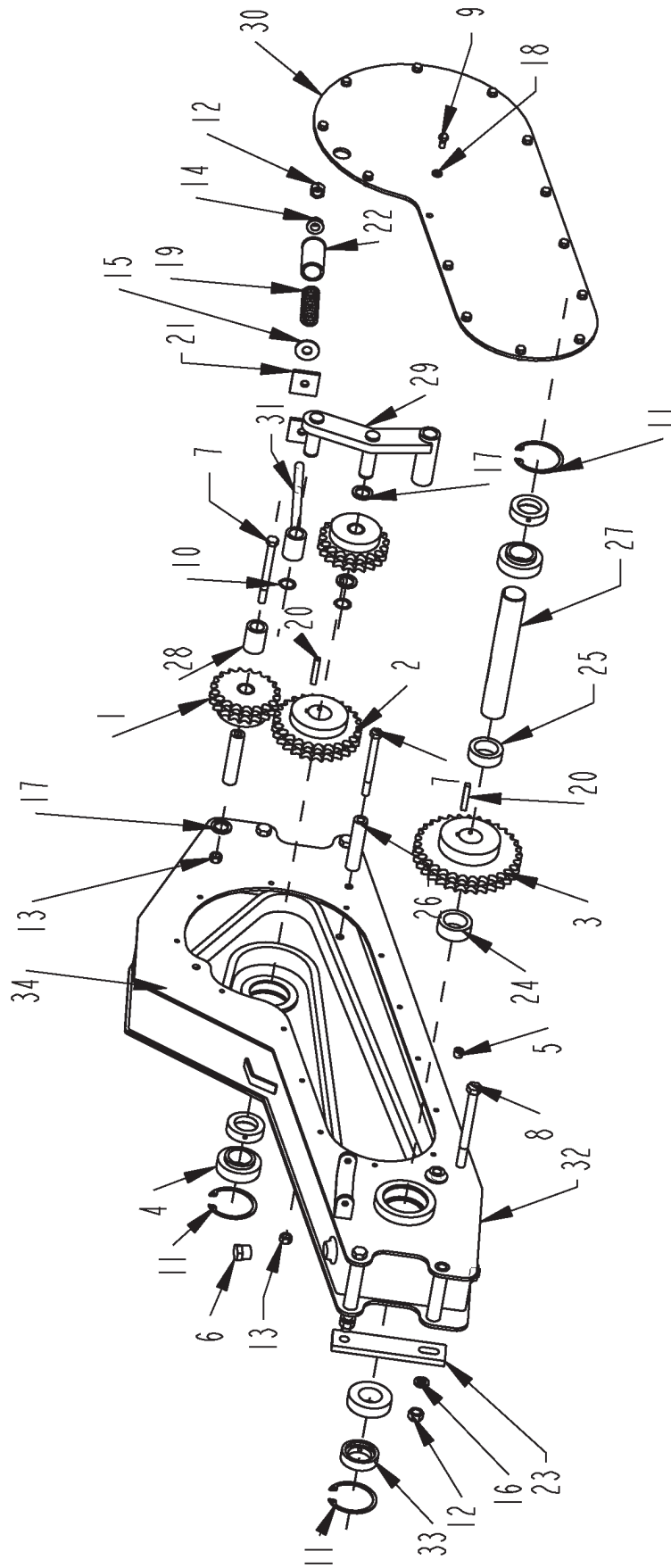
DRIVELINE ASSEMBLY



DRIVELINE ASSEMBLY

ITEM	PART	QTY.	PART DESCRIPTION
1	2000514	1	BRG\PB\1-3/4\2BOLT\MALLEABLE
2	3600459	1	PTO\252-21797\44R
3	4800003	2	BOLT\HEX\3/8X1
4	4800018	5	BOLT\HEX\1/2X1-1/4
5	4800044	1	PIN\COT\5/16X1-1/2
6	4800068	3	BOLT\HEX\1/2X3
7	4800210	1	BOLT\HEX\3/8X6
8	4800251	2	BOLT\HEX\1/2X2-1/4\NC
9	4900001	12	NUT\HEX\1/2\NC
10	4900002	11	NUT\HEX\3/8\NC
11	4900023	1	NUT\PLCK\3/8\NC
12	5000001	2	WASH\FLAT\3/8
13	5000004	4	WASH\FLAT\1/2
14	5000006	9	WASH\LOCK\1/2
15	5000019	11	WASH\LOCK\3/8
16	6100031	1	SPRING\COMP\.072W\25/32OD
17	6200020	2	KEY\SQ\3/8X2-1/4\HARDEND
18	7500170	1	HOSE MINDER
19	8101071	1	LATCH\SHLD
20	8101072	1	SHLD\PTO
21	8101073	1	BRKT\BRG\PTO\2650
22	8101074	1	SHFT\DRV\PTO
23	8101076	1	MNT\SHLD\DRV
24	3600453	1	JOINT\44\1-3/4BORE\ASSY

DRIVE ASSEMBLY (S.N. UP TO 28-GJ-0098-00)



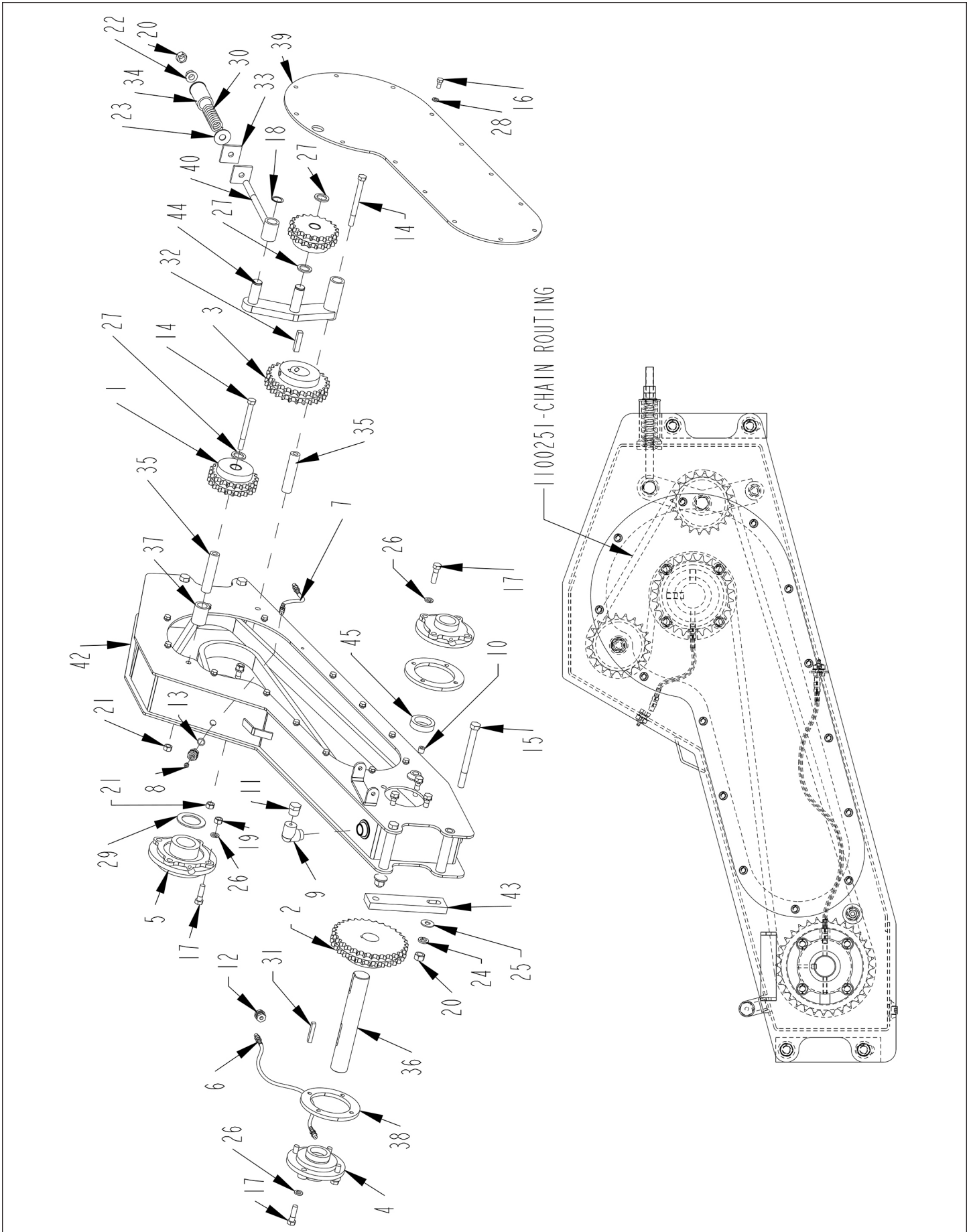
DRIVE ASSEMBLY (S.N. UP TO 28-GJ-0098-00)

ITEM	PART	QTY.	PART DESCRIPTION
1	1000234	2	SPKT\DBL\B\60\20\HT\IDLERW-BUSHING
2	1000235	1	SPKT\DBL\60\B\26\1-3/4\3/8KW\2SS
3	1000236	1	SPKT\DBL\60\B\32\1-3/4\3/8KW\2SS
4	2001041	3	BRG\CYL\1-3/4W-ECC
5	3800173	2	FTG\3/8MPI\PLUG\HEX
6	3800441	1	FTG\3/4MPI\PLUG\HEX
7	4800077	2	BOLT\HEX\1/2X5-1/2
8	4800155	4	BOLT\HEX\5/8X7
9	4800164	14	BOLT\HEX\3/8X3/4
10	4800904	2	SNSPRNG\EXT\1"
11	4800921	3	SNSRNG\INT\3-11/16\HO-334\STPA
12	4900005	5	NUT\HEX\5/8\NC
13	4900014	2	NUT\TPLCK\1/2\NC
14	4900110	1	NUT\FLG\SERR\5/8\NC
15	5000002	2	WASH\FLAT\5/8
16	5000003	4	WASH\LOCK\5/8
17	5000018	3	WASH\FLAT\1\10GA\1-1/2 O.D.
18	5000019	14	WASH\LOCK\3/8
19	6100076	1	SPRING\1-1/4 O.D. X 3-3/4 LONG X 3/16 WIRE X 10 COILS
20	6200020	2	KEY\SQ\3/8X2-1/4\HARDEND
21	8101077	2	RUBBER\CUSHION
22	8101078	1	BRKT\LIMIT\SPRING
23	8101080	2	BRKT\MNT\CHAINDRIVE
24	8101082	1	TUBE\SPCR\DRV\PTO
25	8101083	1	TUBE\SPCR\DRV\PTO
26	8101084	2	MNT\IDLER\DRV\PTO
27	8101085	1	SHFT\DRV\CHAIN\PTO
28	8101116	1	BRKT\SPACER\IDLER\GRBX
29	8101361	1	BRKT\IDLER\CHAINDRIVE
30	8101362	1	CVR\SERV\DRV\CHN
31	8101363	1	ROD\ADJ\CHAIN
32	8101707	1	CASE\CHAIN\2800
33	2001041LC	3	LOCK COLLAR FOR 2001041
34	CH50DRV	1	

NOT SHOWN

1100064	1	CHAIN\60DBL\CL
1100251	1	CHAIN\60DBL\163

DRIVE ASSEMBLY (S.N. 28-IJ-0099-00 AND UP)



DRIVE ASSEMBLY (S.N. 28-IJ-0099-00 AND UP)

ITEM	PART	QTY.	PART DESCRIPTION
1	1000234	2	SPKT\DBL\B\60\20\HT\IDLER
2	1000236	1	SPKT\DBL\60\B\32\1-3/4\3/8KW\2SS
3	1000280	1	SPKT\DBL\60\B\26\2\1/2KW\2SS
4	2000339	2	BRG\FLG\CAST\PILOTED\1-3/4
5	2000340	1	BRG\FLG\CAST\PILOTED\2
6	3700769	1	HOSE\LUB\1/8X23\MPS-MPS
7	3700770	1	HOSE\LUB\1/8X8-1/2\MPS-MPS
8	3800043	2	FTG\LUB\1/8MPXZRK\SHORT
9	3800129	1	FTG\3/4MPX3/4FP\90D\ST;EL
10	3800326	2	FTG\3/8MP\PLUG\ALN
11	3800452	1	FTG\3/4MP\VENT\SNTRD\>
12	3800895	2	FTG\1/8FP\CPLG\ANCHOR\5/8NF
13	3800896	1	FTG\O-RING\5/8IDX13/16OD
14	4800077	2	BOLT\HEX\1/2X5-1/2
15	4800155	4	BOLT\HEX\5/8X7
16	4800164	14	BOLT\HEX\3/8X3/4
17	4800178	12	BOLT\HEX\1/2X1-3/4
18	4800904	2	SNSPRNG\EXT\1"
19	4900001	4	NUT\HEX\1/2\NC
20	4900005	5	NUT\HEX\5/8\NC
21	4900014	2	NUT\TPLCK\1/2\NC
22	4900110	1	NUT\FLG\SERR\5/8\NC
23	5000002	2	WASH\FLAT\5/8
24	5000003	4	WASH\LOCK\5/8
25	5000004	4	WASH\FLAT\1/2
26	5000006	12	WASH\LOCK\1/2
27	5000018	3	WASH\FLAT\1\10GA\1-1/2 O.D.
28	5000019	14	WASH\LOCK\3/8
29	5000032	1	WASH\MACH\2IDX10GA
30	6100076	1	SPRING\1-1/4 O.D. X 3-3/4 LONG X 3/16 WIRE X 10 COILS
31	6200020	1	KEY\SQ\3/8X2-1/4\HARDEND
32	6200061	1	KEY\SQ\1/2X2-1/4
33	8101077	2	RUBBER\CUSHION
34	8101078	1	BRKT\LIMIT\SPRING
35	8101084	2	MNT\IDLER\DRV\PTO
36	8101085	1	SHFT\DRV\CHAIN\PTO
37	8101116	1	BRKT\SPACER\IDLER\GRBX
38	8101307	2	RING\MNT\BRG
39	8101362	1	CVR\SERV\DRV\CHN
40	8101363	1	ROD\ADJ\CHAIN
41	8101634	1	DRIVE\ASSY
42	8101635	1	CASE\CHAIN\2800\GJ
43	8101636	2	SPCR\MNT\CHAINDRIVE
44	8101637	1	BRKT\IDLER\CHAIN\DRIVE
45	8101638	2	TUBE\RD\SPCR\CASE\CHAIN

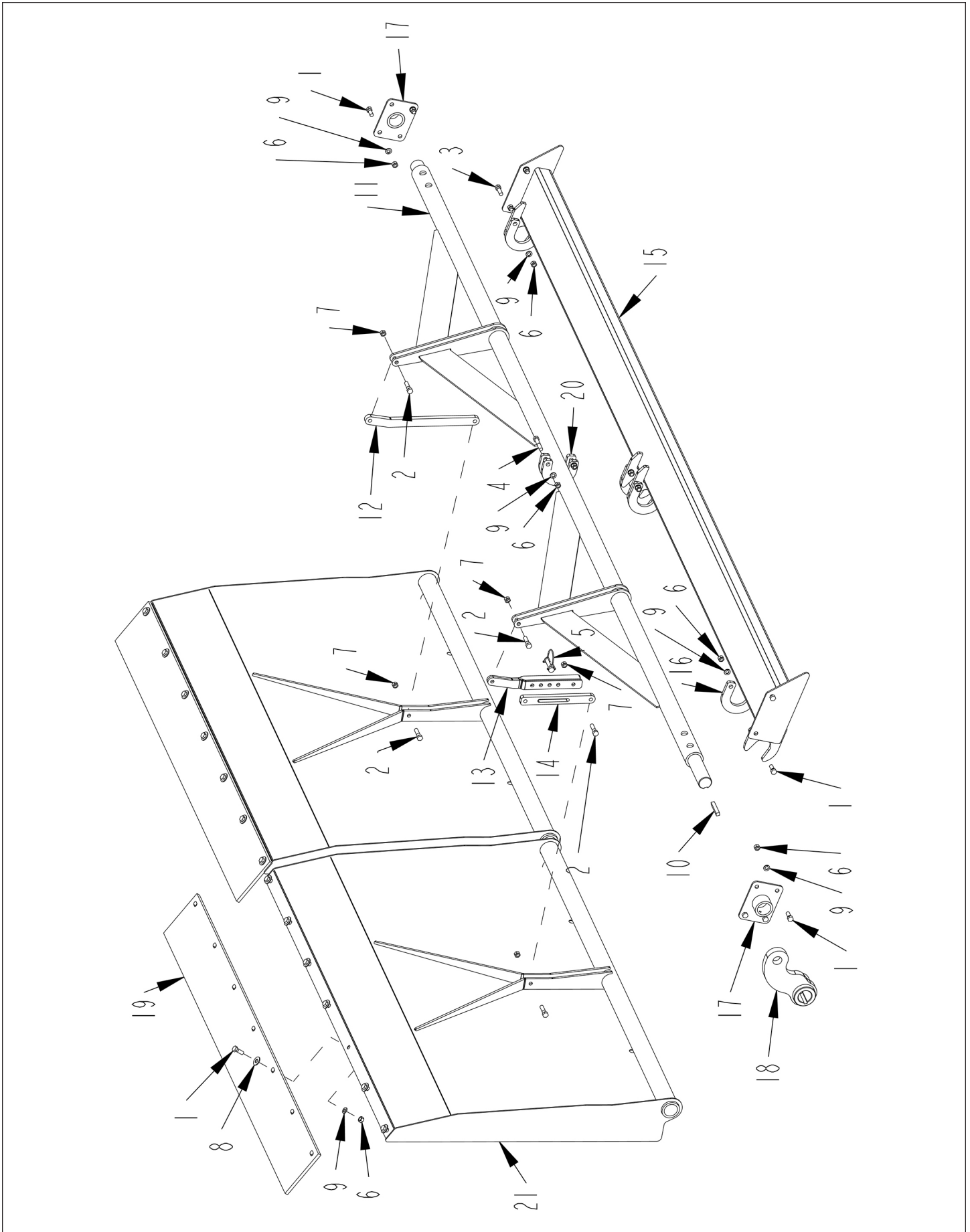
8101634

HSG\CHAINW-FLG-BRG\2800

NOT SHOWN

1100064	1	CHAIN\60DBL\CL
1100251	1	CHAIN\60DBL\163

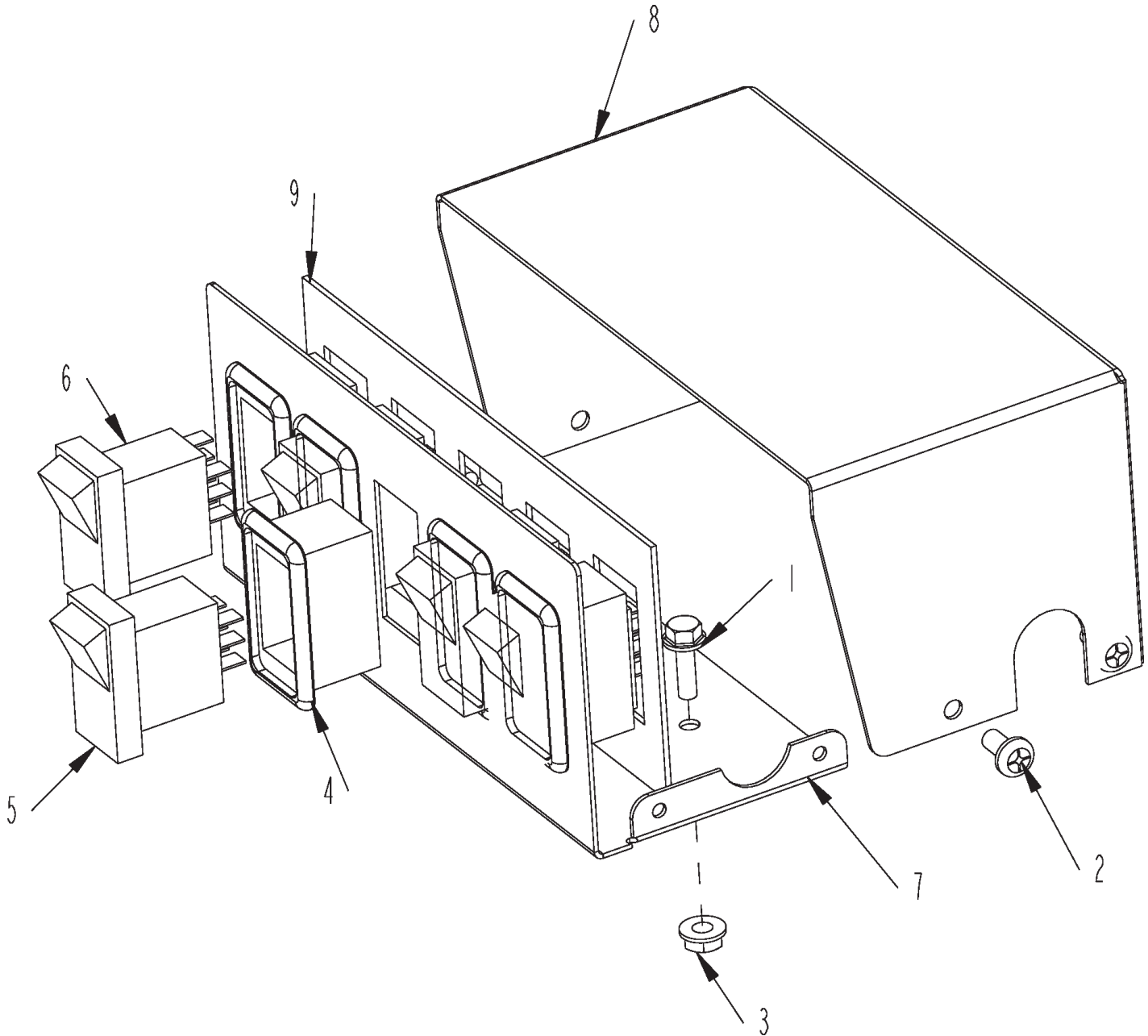
DEFLECTOR ASSEMBLY



DEFLECTOR ASSEMBLY

ITEM	PART	QTY.	PART DESCRIPTION
1	4800003	24	BOLT\HEX\3/8X1
2	4800034	5	BOLT\HEX\3/8X1-1/2
3	4800098	8	BOLT\HEX\3/8X1-1/4\NC
4	4800146	2	BOLT\HEX\3/8X2
5	4800609	1	PIN\LYNCH\3/8X1-3/4W/_U_WIRE;KEEPER
6	4900002	34	NUT\HEX\3/8\NC
7	4900023	5	NUT\TPLCK\3/8\NC
8	5000001	14	WASH\FLAT\3/8
9	5000019	33	WASH\LOCK\3/8
10	6200020	1	KEY\SQ\3/8X2-1/4\HARDEND
11	8101373	1	SHFT\LINK\DFLCTR
12	8101374	1	PL\LINK\DFLCTR
13	8101376	1	LINK\ADJ\DFLCTR
14	8101377	1	PL\LINK\ADJ\DFLCTR
15	8101378	1	MNT\DFLTR
16	8101379	4	PL\MNT\C\DFLCTR
17	8101380	2	MNT\PVT\DFLCTR\CNTRL
18	8101382	1	ARM\DFLCTR\HYD
19	8101390	2	BELT\DFLCTR\6
20	8101509	2	PL\MNT\C\DFLCTR
21	8101970	2	DFLTR\2800

CONTROL PANEL ASSEMBLY S.N. UP TO 2812019800



ITEM	PART	QTY.	PART DESCRIPTION
1	4800301	2	SCR\FLNG\SERR\1/4X3/4
2	4800963	4	SCR\PAN\PHL\#14X1/2\TYPE A
3	4900040	2	NUT\FLG\SERR\1/4\NC
4	5700328	5	SWITCH\RCKR\MNT\PNL\SNGL
5	5700542	4	SWITCH\RCKR\DPDT\24VUNLIT\15A\MOMNTRY\W/RASED\BRCKT
6	5700546	1	SWITCH\RCKR\DPDT\12V\2LIT\15A\LTCH&MOMW/RASED\BRCKT
7	8101614	1	SH\PNEL\SWITCH\2800
8	8101615	1	SH\PNEL\SWITCH\2800
9	8101620	1	SHIM\PNEL\SWITCH

8101730 HSG\CNTRL\ASSY\TRACTOR\2800
(ALSO INCLUDES #5700621)

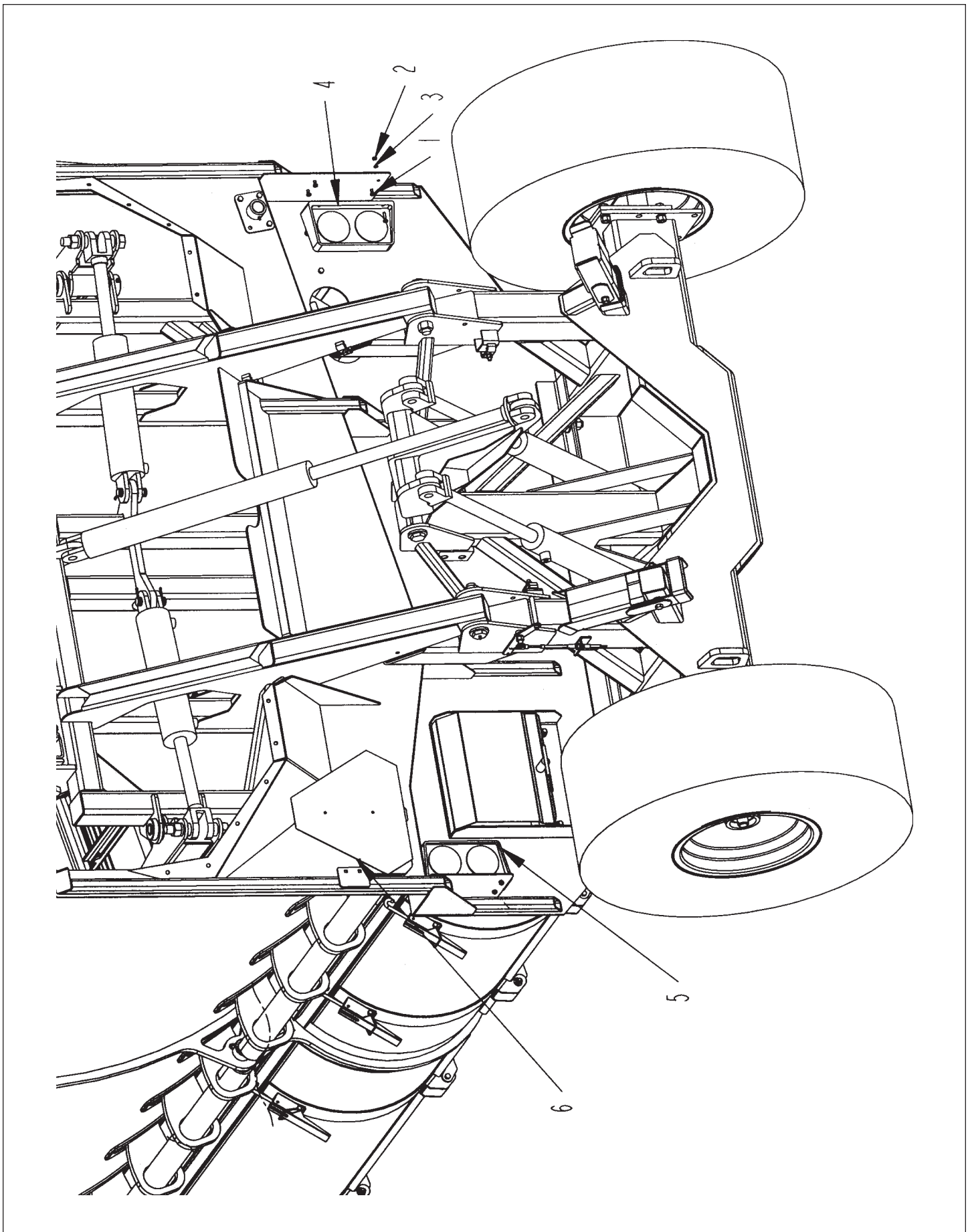
NOT SHOWN
5700621 HARN\TRACTOR\2800

CONTROL PANEL ASSEMBLY S.N. 2813019900 & UP

ITEM	PART	QTY.	PART DESCRIPTION
	5701050	1	CNTRLBX\W-HRNS\CMLPT\2800



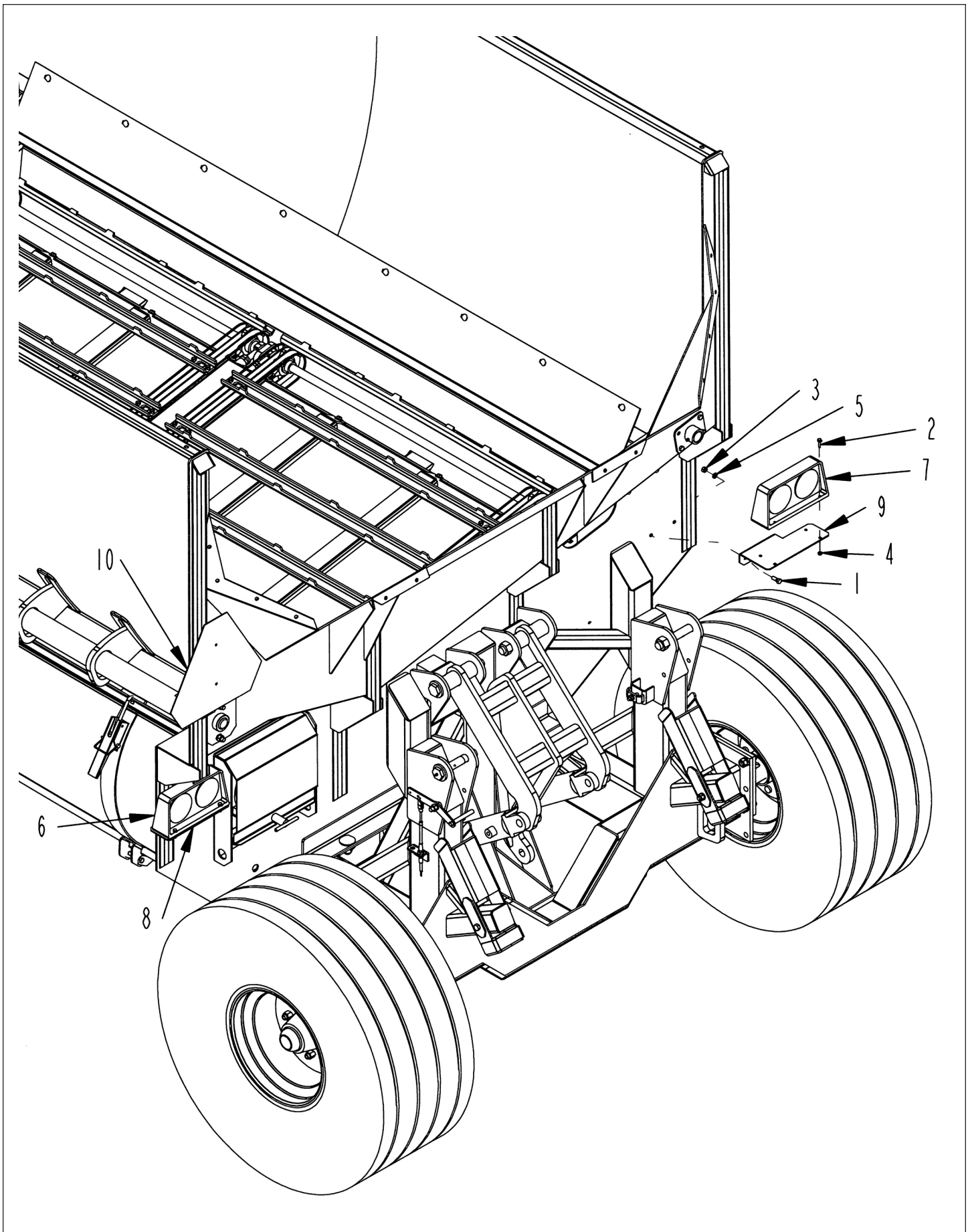
TAIL LIGHTS AND SMV SIGN (THRU S.N. 0268)



TAIL LIGHTS AND SMV SIGN (THRU S.N. 0268)

ITEM	PART	QTY.	PART DESCRIPTION
1	4800277	8	BOLT\HEX\1/4X1
2	4900009	8	NUT\HEX\1/4\NC
3	5000024	8	WASH\LOCK\1/4
4	5700715	1	TAILLIGHT\RED;RIGHT\ASSY\4PIN
4LED	5701058		TAILLIGHT\RED;RIGHT\LED\ASSY\4PIN
5	5700716	1	TAILLIGHT\RED;LEFT\ASSY\4PIN
5LED	5701059		TAILLIGHT\RED;LEFT\LED\ASSY\4PIN
6	7501353	1	SIGN\SMV\PLSTC-BCKNG
	5700925		KIT\LIGHT\2-LIGHT\4-PIN (INCLUDES #4, #5 AND 5700924)
LED	5701079		KIT\LIGHT\LED\2-LIGHT\4-PIN (INCLUDES #4LED, #5LED AND 5700924)
NOT SHOWN			
	5700924		HARN\TAIL;LIGHTS\SHREDDR\4PIN

TAIL LIGHTS AND SMV SIGN (S.N. 0269 AND UP)



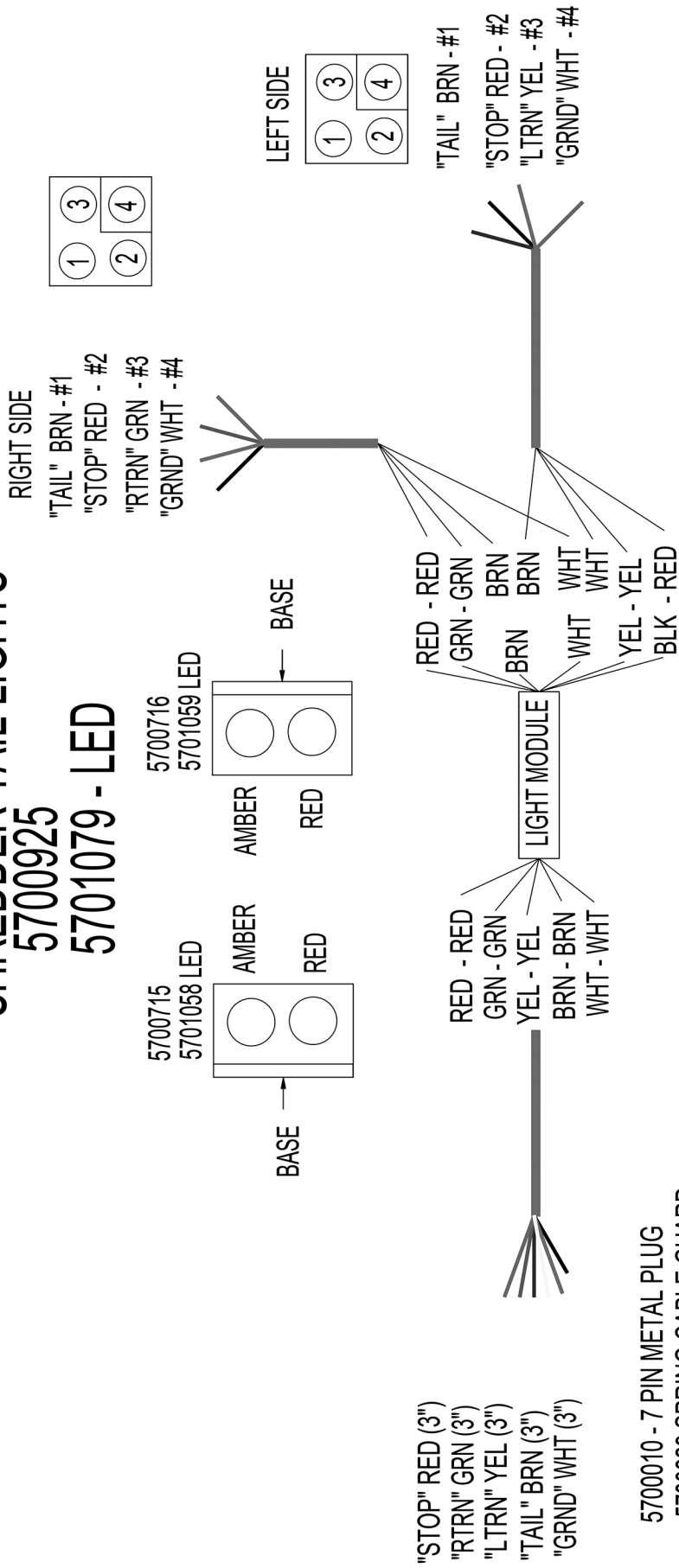
TAIL LIGHTS AND SMV SIGN (S.N. 0269 AND UP)

ITEM	PART	QTY.	PART DESCRIPTION
1	4800003	4	BOLT\HEX\3/8X1
2	4801321	8	BOLT\FLG\SERR\#10X1\NC
3	4900002	4	NUT\HEX\3/8\NC
4	4900190	8	NUT\FLG\SERR\#10\NC
5	5000019	4	WASH\LOCK\3/8
6	5701058	1	TAILLIGHT\RED;RIGHT\LED\ASSY\4PIN
7	5701059	1	TAILLIGHT\RED;LEFT\LED\ASSY\4PIN
8	8102130	1	BRKT\TAILLIGHT\2800
9	8102131	1	BRKT\TAILLIGHT\2800
10	7501353	1	SIGN\SMV\PLSTC-BCKNG
	5701079		KIT\LIGHT\LED\2-LIGHT\4-PIN (INCLUDES 5701058, 5701059, AND 5700924)
NOT SHOWN			
	5700924		HARN\TAIL;LIGHTS\SHREDDR\4PIN

SHREDDER TAIL LIGHTS

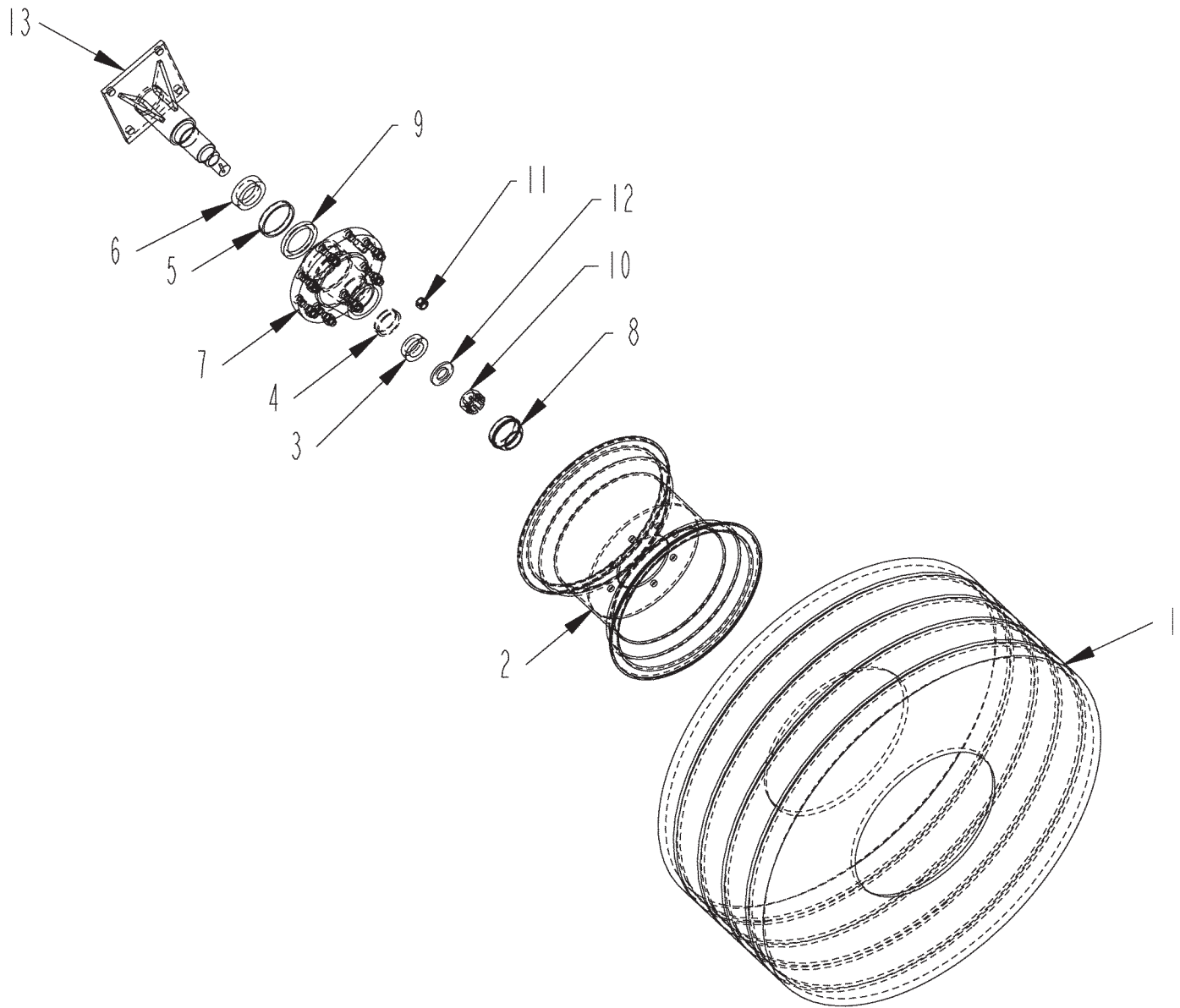
5700925

5701079 - LED

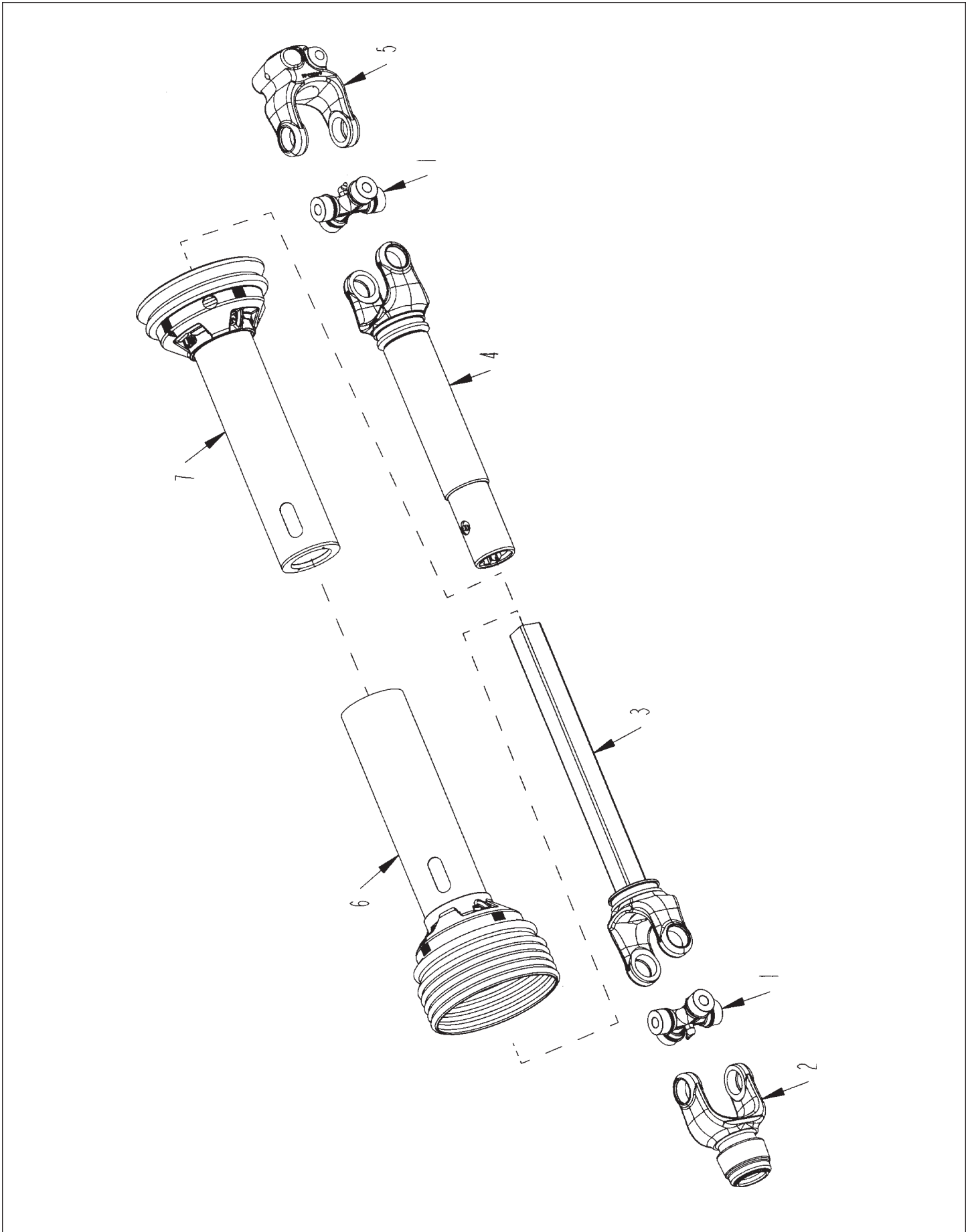


- 5700010 - 7 PIN METAL PLUG
- 5700829 SPRING CABLE GUARD
- 5700924 HARNESS

WHEELS AND HUBS



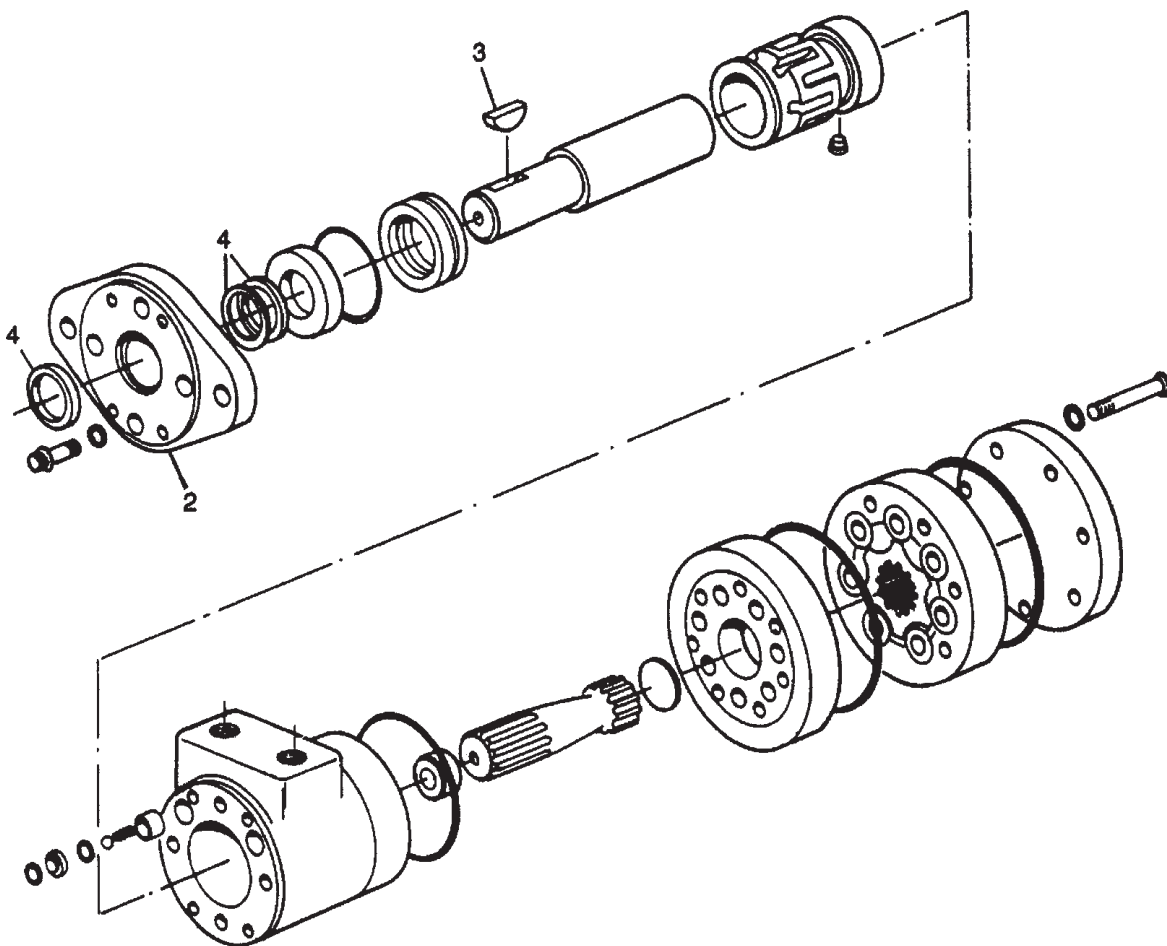
ITEM	PART	QTY	DESCRIPTION
1	2600053	1	TIRE\16.5LX16.1SL\14PLY
2	2600649	1	WHL\8-BOLT\16.1X14C\8K
3	2900125	1	HUB\H817\CONE\OUTER
4	2900126	1	HUB\H817\CUP\OUTER
5	2900127	1	CUP\INNER\WHL:HUB(48510
6	2900128	1	HUB\H817\CONE\INNER
7	2900129	1	HUB\8-BOLT\W/RACES\W/NUTS
8	2900130	1	CAP\DUST\H817
9	2900131	1	SEAL\GREASE\H817
10	4900053	1	NUT\CASTLE\1-1/4\NF
11	4900114	8	NUT\TAPER\WHEEL\5/8\NF
12	5000065	1	WASH\2.5OD\1.25ID\224
13	8101600	1	SPNDL\2800
	2600861		WHL\ASSY\16.5SLX16.1\14PLY (INCLUDES 1 & 2)
	2900140		HUB\8-BOLT\COMP\H-817 (INCLUDES 3,4,5,6,7,8,9,10,11 & 12)



PTO ASSEMBLY #3600459

ITEM	PART	QTY.	PART DESCRIPTION
	3600459		PTO\252-21797\44R
1	3600115	2	440 CROSS AND BEARING KIT
2	3600363	1	SLIDE LOCK YOKE ASSY
3	3600364	1	YOKE & SHAFT 3600334
4	3600368	1	YOKE,TUBE,SLIP SLEEVE
5	3600369	1	YOKE 36-334
6 & 7	3600460	1	GUARD\SET\PTO\3600459
	3600453		JOINT\44\1-3/4BORE\ASSY (INCLUDES: 1&5
	3600462		JOINT & SHAFT ASM W-GUARD (INCLUDES: 1,2,3,6)
	3600463		JOINT & TUBE ASY W-GUARD (INCLUDES: 1,4,5,7)
	3600271		SAFETY SLD LCK REPAIR KIT for 3600363
	3600489		NYLON\REPAIR\KIT

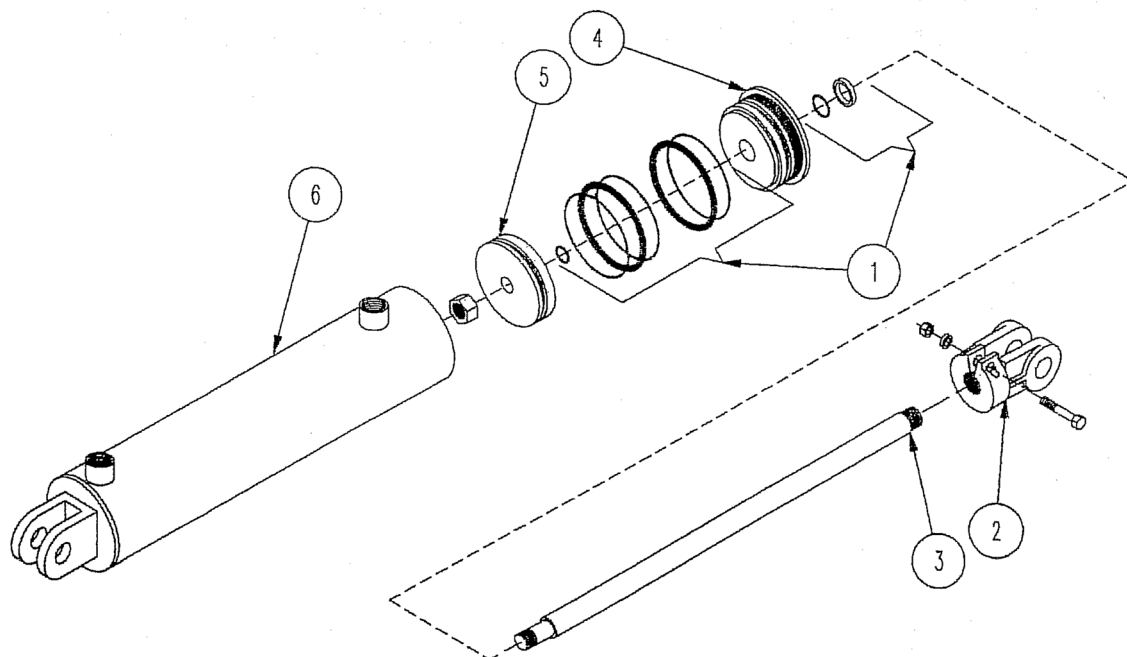
ORBIT MOTOR



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

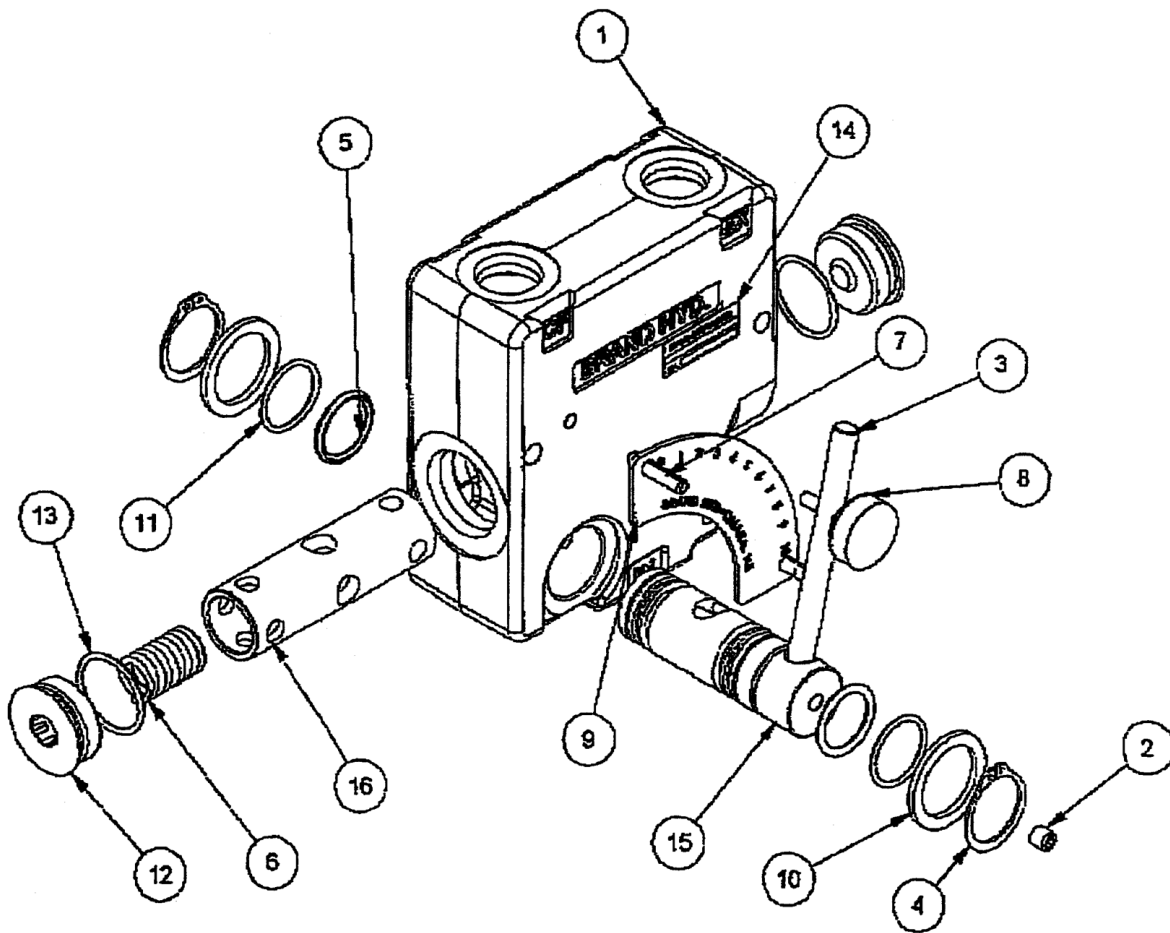
HYDRAULIC CYLINDER ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	4100226 4100228	CYLIHYD\2X8\1-1/4RDWELD -CANADIAN TOOL & DIE SEAL KIT FOR 4100226
1	4100210 4100093	CYLIHYD\2X8\1-1/4RDWELD -RAM INDUSTRIES SEAL KIT FOR 4100210
1	4100261 4100289	CYLIHYD\3X20\1-1/2ROD -CANADIAN TOOL & DIE SEAL KIT FOR 4100261
1	4100328 4100143	CYLIHYD\3X20\1-1/2ROD -RAM INDUSTRIES SEAL KIT FOR 4100328
1	4100268 4100282	CYLIHYD\3-1/2X12\1-1/2RD -CANADIAN TOOL & DIE SEAL KIT FOR 4100268
1	4100216 4100105	CYLIHYD\3-1/2X12\1-1/2ROD -RAM INDUSTRIES SEAL KIT FOR 4100216
1	4100269 4100227	CYLIHYD\3X24\1-1/2ROD -CANADIAN TOOL & DIE SEAL KIT FOR 4100269
1	4100250 4100143	CYLIHYD\3X24\1-1/2ROD -RAM INDUSTRIES SEAL KIT FOR 4100250

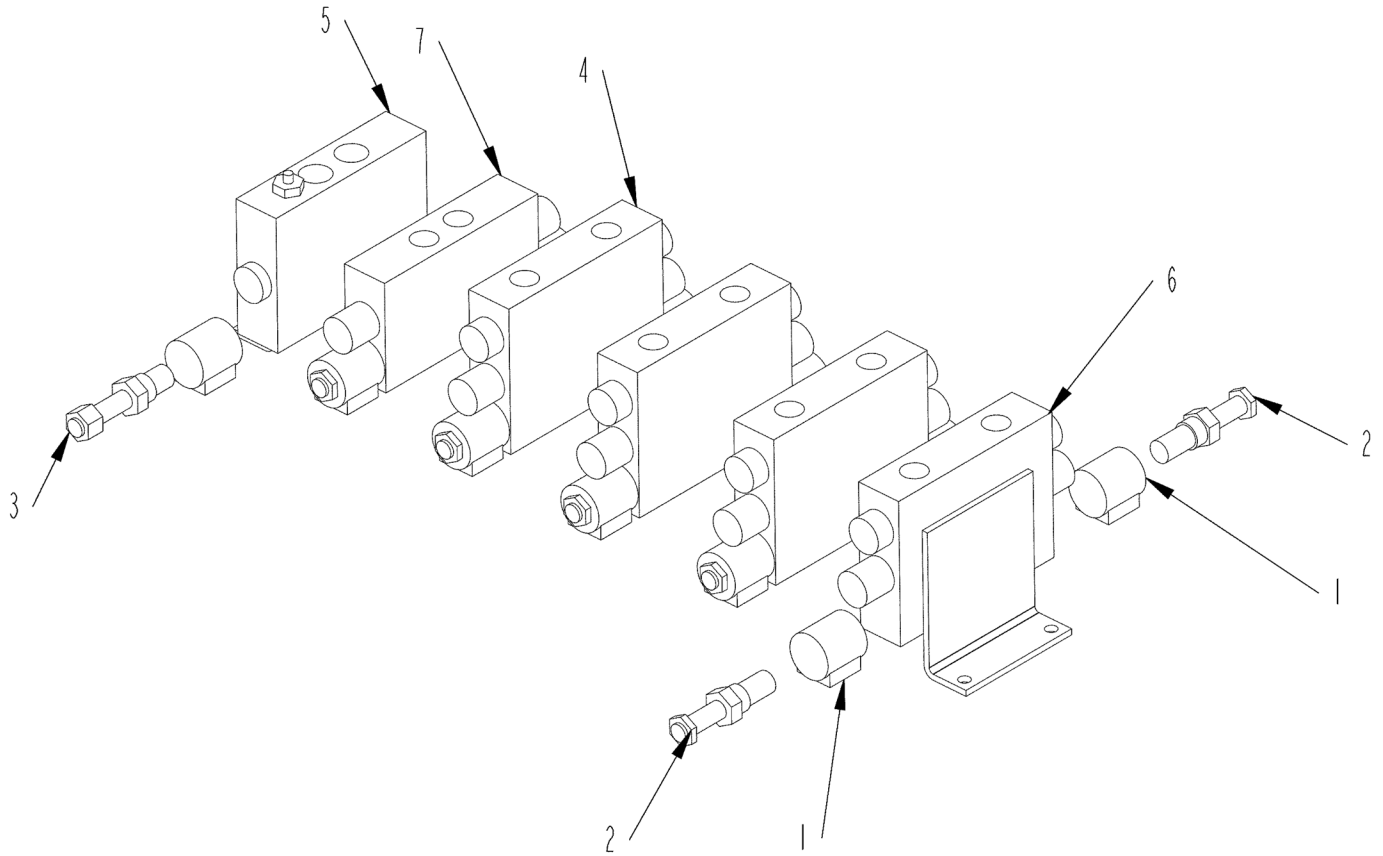


FLOW CONTROL VALVE (4000331)

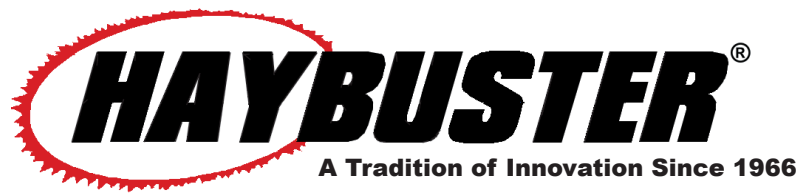
ITEM	PART NO.	DESCRIPTION
	4000331	VALVE\FLW-CRTL\#8FOR
3 & 8	4000334	HDL\ASSY\W\HYD
5,10,11, & 13	4000335	SEAL\KIT\W\HYD (INCLUDES 2 EACH OF 5,10,11, & 13)
4	4000336	SNAP RING\W\HYD



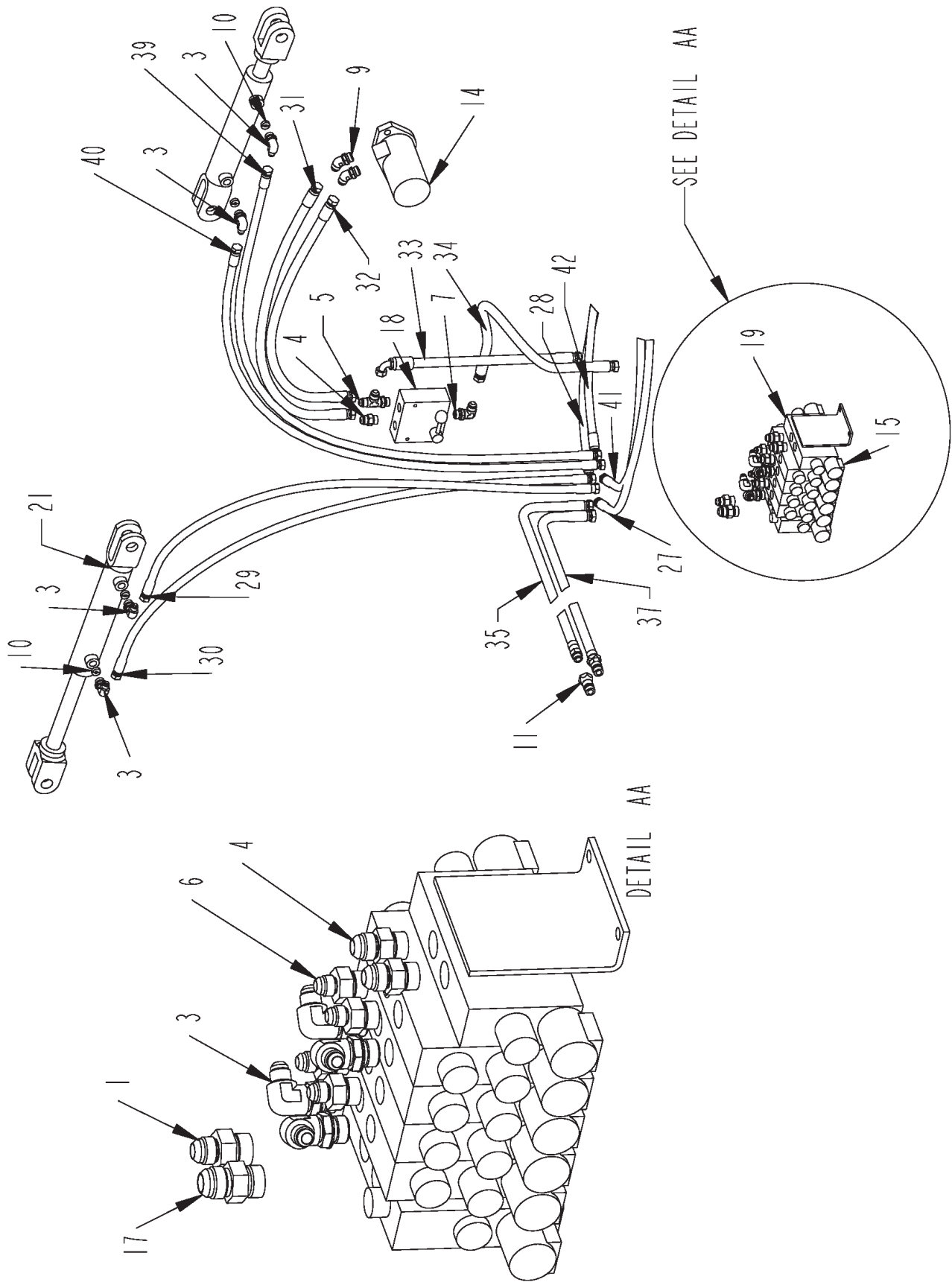
HYDRAULIC VALVE (4000343)



ITEM	PART NUMBER	QTY	DESCRIPTION
1	4000174	11	SOL\HYD\12VDC\HYDRAFORCE
2	4000176	10	VALVE\HYD\CART\WORK
3	4000179	1	VALVE\HYD\CART\UNLDR
4	4000197	3	36 SERIES HI SECTION
5	4000273	1	38 RELIEF SECTION
6	4000284	1	36 SERIES HI SECTION
7	4000322	1	36 SERIES SECTION
	4000343		VLV\HYD\BRAND\5-BANK

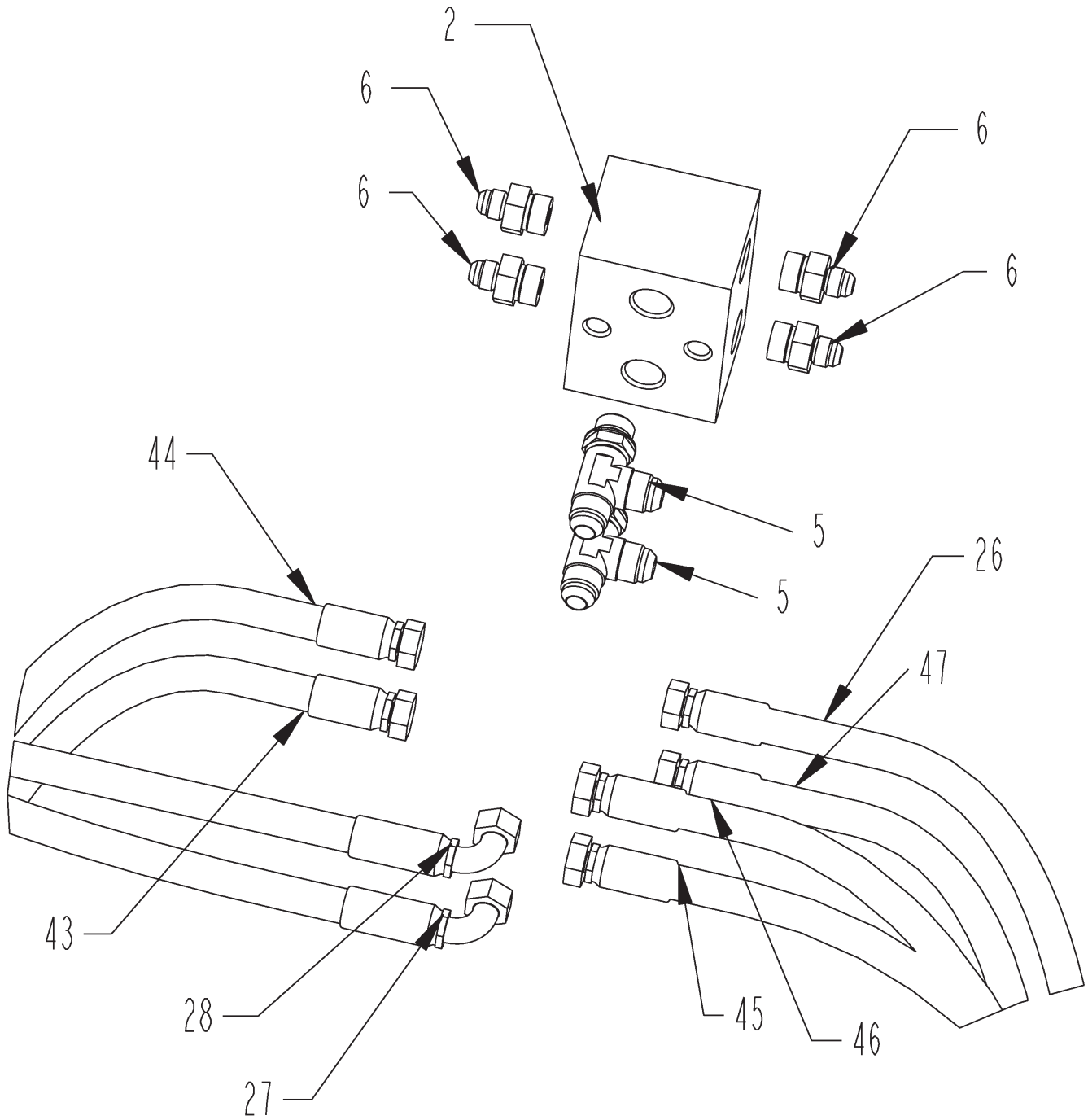


**AUXILLARY VALVE/ORBIT MOTOR/DEFLECTOR CYLINDER
(S.N. UP TO 0038)**



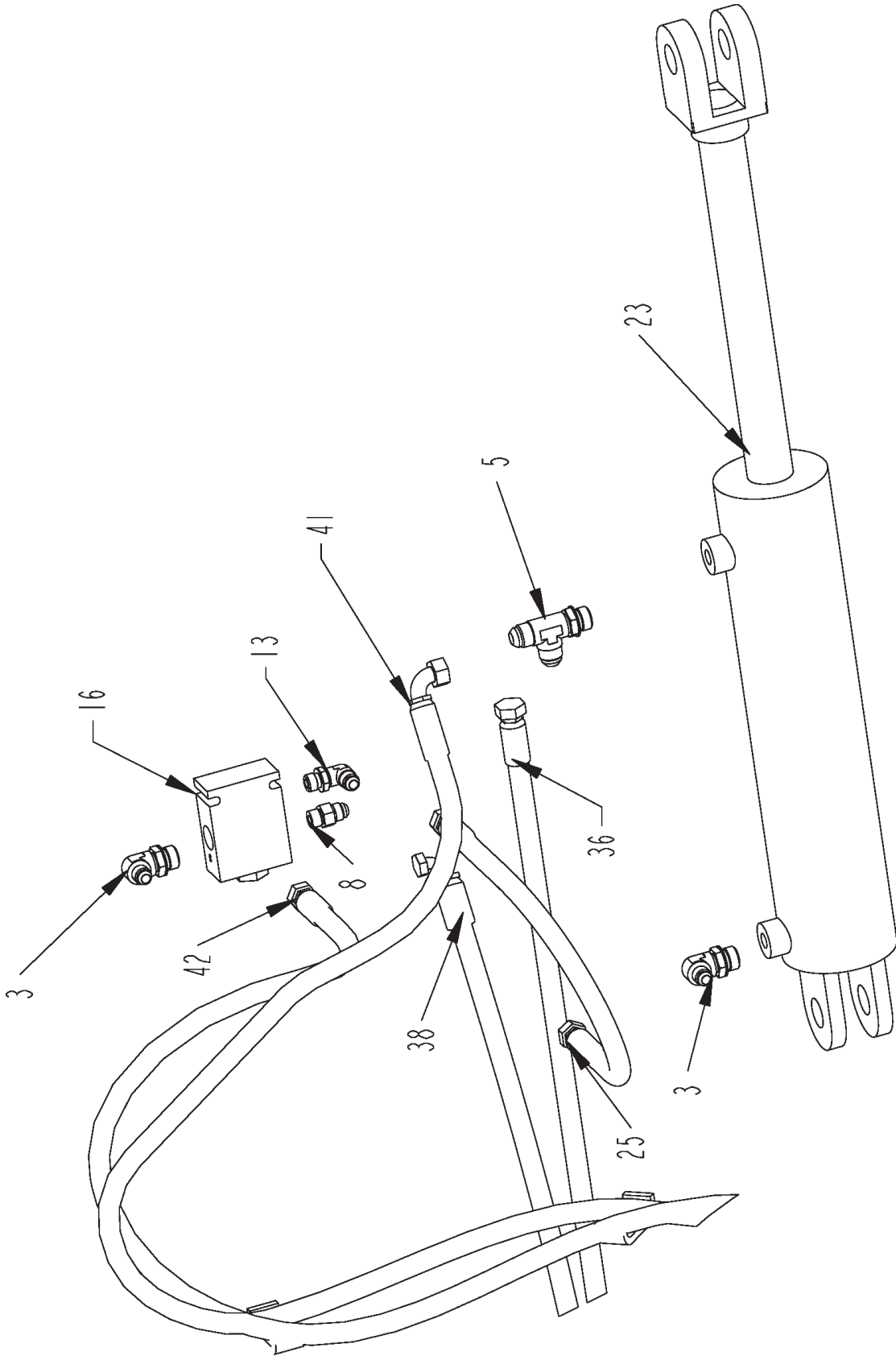
AUX. VALVE/ORBIT MOTOR/DEFLECTOR CYL.

DIVIDER BLOCK (S.N. UP TO 0038)



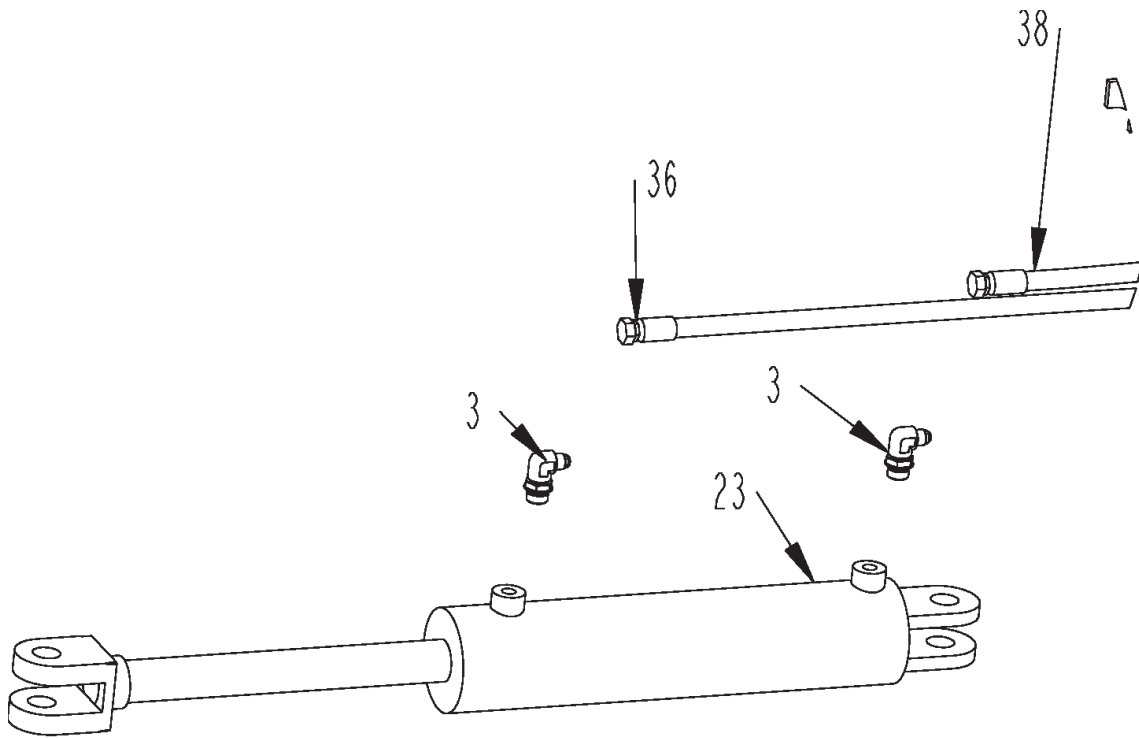
DIVIDER BLOCK

**RH SQUEEZE CYLINDER & DIVIDER FLOW CONTROL VALVE
(S.N. UP TO 0038)**



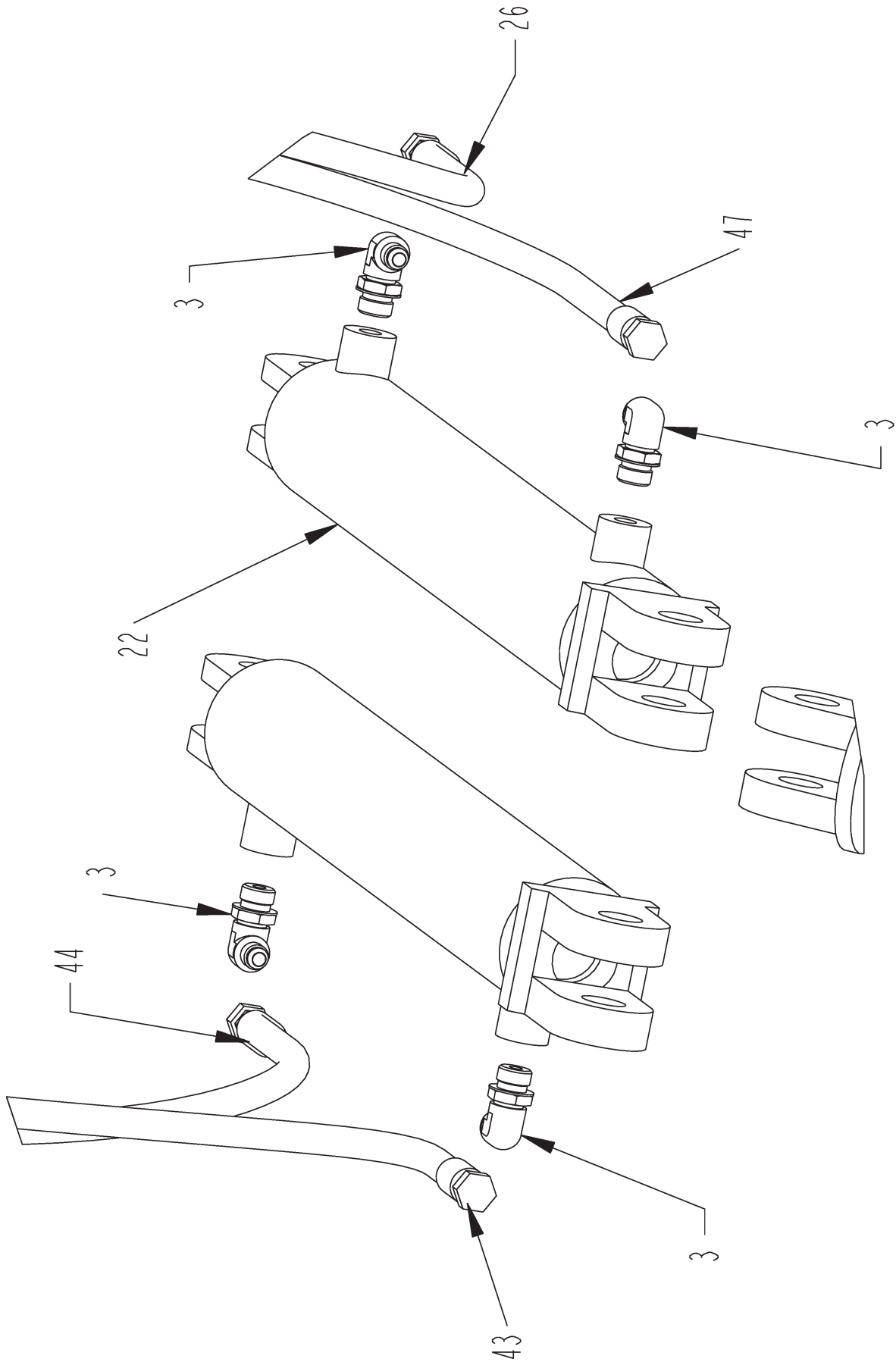
RH SQUEEZE CYL. & DIVIDER FLOW

LH SQUEEZE CYLINDER (S.N. UP TO 0038)



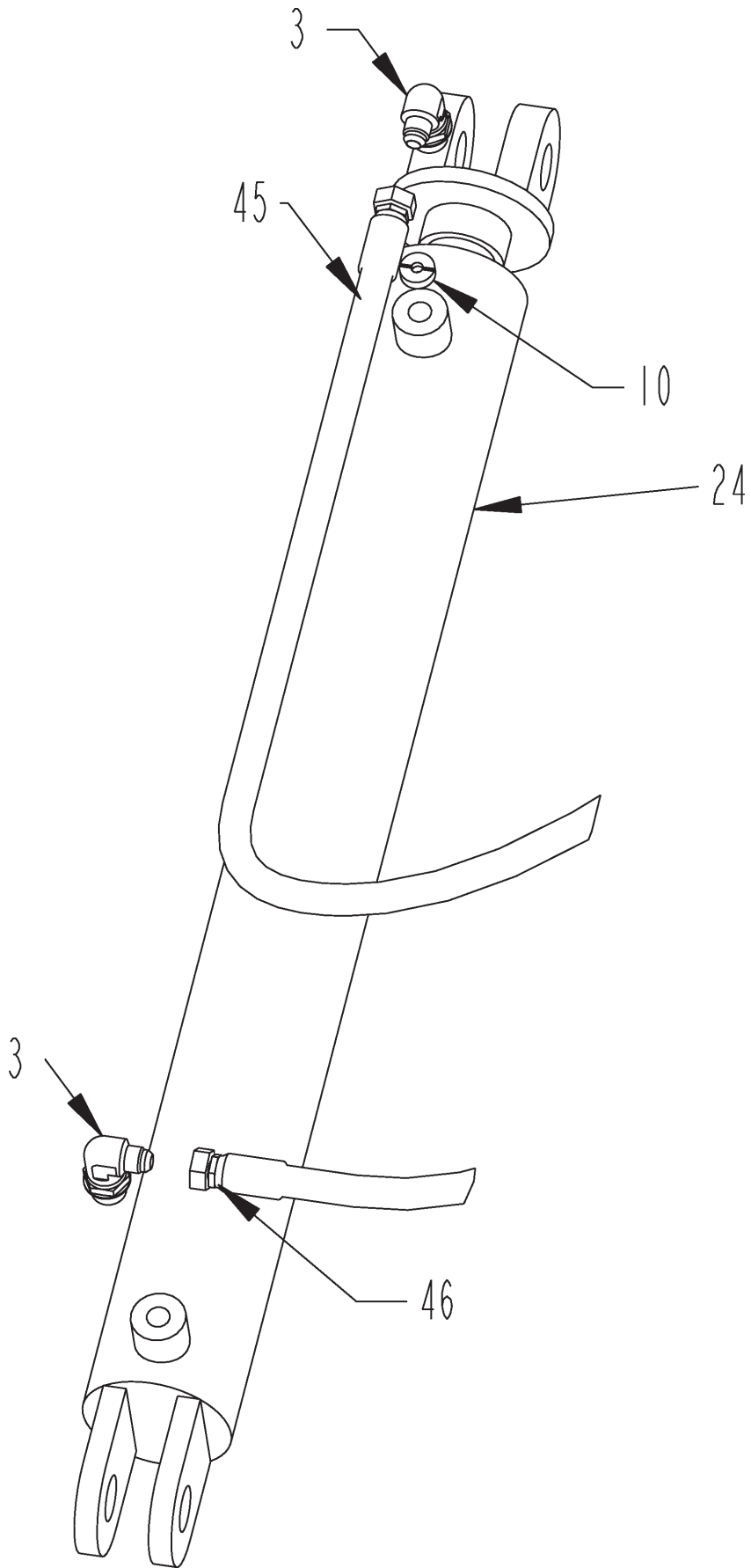
LH SQUEEZE CYL.

RH & LH LIFT CYLINDERS (S.N. UP TO 0038)



LH & RH LIFT CYL.

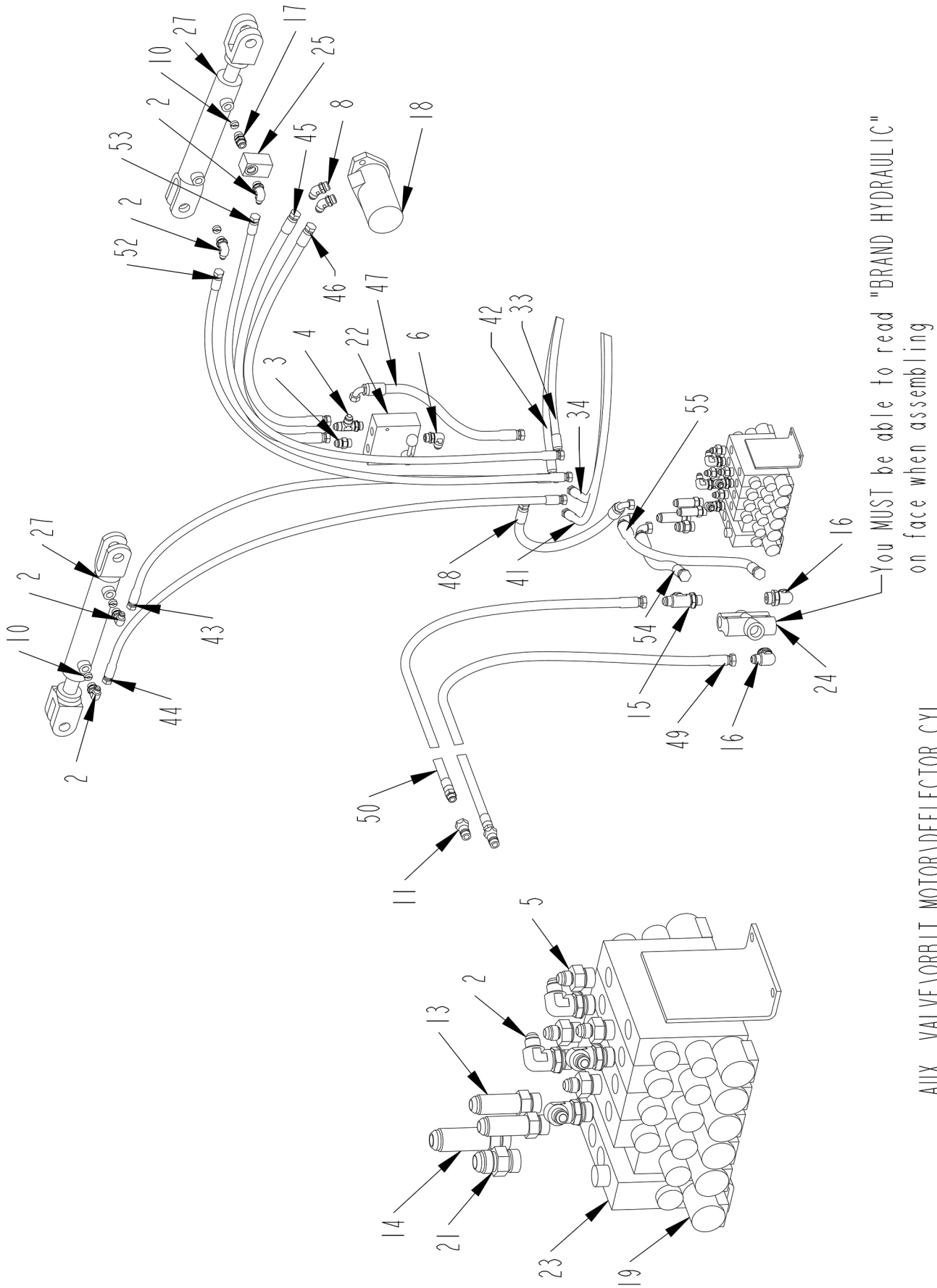
MIDDLE LIFT CYLINDER (S.N. UP TO 0038)



HYDRAULIC PARTS LIST (S.N. UP TO 0038)

ITEM	PART NO.	QTY.	DESCRIPTION
1	3800328	1	FTG\7/8MORX3/4MJIC\ADPT
2	3800428	1	MNFLD\DBL;TEE\BLK\3/4FOR
3	3800453	16	FTG\3/4MORX9/16MJIC\90
4	3800477	3	FTG\3/4MORX3/4MJIC\ST
5	3800483	4	FTG\3/4MORX3/4MJICX3/4MJIC\RUN;TEE
6	3800530	6	FTG\3/4MORX9/16MJIC\ST
7	3800537	1	FTG\3/4MORX3/4MJIC\90
8	3800631	1	FTG\9/16MORX9/16MJIC\ST
9	3800675	2	FTG\7/8MORX3/4MJIC\45
10	3800683	3	FTG\3/4MOR\ORFICE\0.0490"
11	3800694	2	FTG\3/4FOR\QUICK;CPLR\MALE
12	3800698	2	FTG\3/4MORX1/2BARB\MOTION
13	3800757	1	FTG\9/16MORX9/16MJIC\90
14	3900025	1	MOTOR\HYD\17.9\HAMNT\7/8FOR\1SHFT
15	4000174	4	SOL\HYD\12VDC\HYDRAFORCE
16	4000280	1	VLV\HYD\DIV\FLOW
17	4000288	1	FTG\7/8MORX7/8MJIC\ST\CHCK
18	4000331	1	VALVE\CONTROL\FLOW\3/4FOR
19	4000332	1	VLV\HYD\2800
20	4700776	16	CLMP\HOSE\3/8
21	4100226	2	CYL\HYD\2X8\1-1/4RD\WELDE
22	4100261	2	CYL\HYD\3X20\1-1/2ROD
23	4100268	2	CYL\HYD\3-1/2X12\1-1/2ROD
24	4100269	1	CYL\HYD\3X24\1-1/2ROD
25	HOSE1	1	FLOW DIV. TO CAP END OF LH SQUEEZE CYL.
26	HOSE10	1	CAP END RH LIFT CYL TO DIV. BLOCK UPPER PORT
27	HOSE11	1	DIVIDER BLOCK LOWER PORT TO AUX. VALVE
28	HOSE12	1	DIVIDER BLOCK UPPER PORT TO AUX. VALVE
29	HOSE13	1	CAP END DEFLECTOR CYL. TO AUX. VAVLE
30	HOSE14	1	ROD END DEFLECTOR CYL. TO AUX. VAVLE
31	HOSE15	1	OBIT MOTOR TO CF FLOW CONTROL
32	HOSE16	1	ORBIT MOTOR TO TEE ON EF FLOW CONTROL
33	HOSE17	1	EF OF FLOW CONTROL TO AUX. VAVLE
34	HOSE18	1	IN PORT OF FLOW CONTROL TO AUX. VAVLE
35	HOSE19	1	AUX. VAVLE TO TRACTOR
36	HOSE2	1	ROD END SQUEEZE CYL. TO ROD END SQUEEZE CYL.
37	HOSE20	1	AUX. VAVLE TO TRACTOR
38	HOSE21	1	FLOW DIV. TO CAP END OF RH SQUEEZE CYL.
39	HOSE22	1	ROD END SLUGBAR TO AUX VALVE
40	HOSE23	1	CAP END SLUGBAR TO AUX VALVE
41	HOSE3	1	ROD END SQUEEZE CYL. TO FRONT AUX. VALVE
42	HOSE4	1	FLOW DIV. TO AUX. VAVLE (SQUEEZE)
43	HOSE5	1	ROD END LH LIFT CYL. TI DIV. BLOCK LOWER PORT
44	HOSE6	1	CAP END LH LIFT CYL. TO DIVIDER BLOCK UPPER PORT
45	HOSE7	1	ROD END MIDDLE CYL. TO TEE
46	HOSE8	1	CAP END MIDDLE CYL. TO TEE
47	HOSE9	1	ROD END RH LIFT CYL TO DIV. BLOCK LOWER PORT

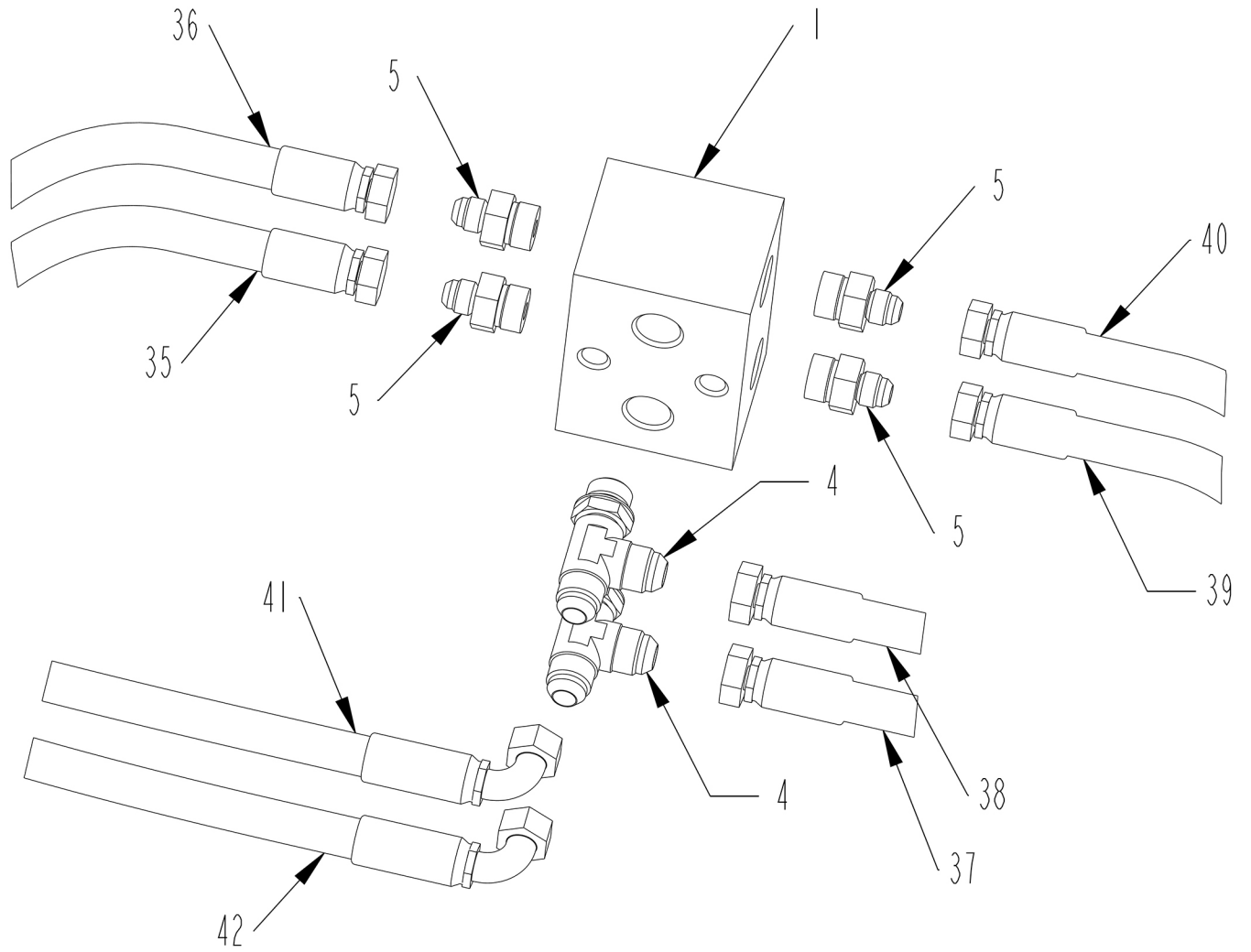
**AUXILLARY VALVE/ORBIT MOTOR/DEFLECTOR CYLINDER
(S.N. 0039 AND UP)**



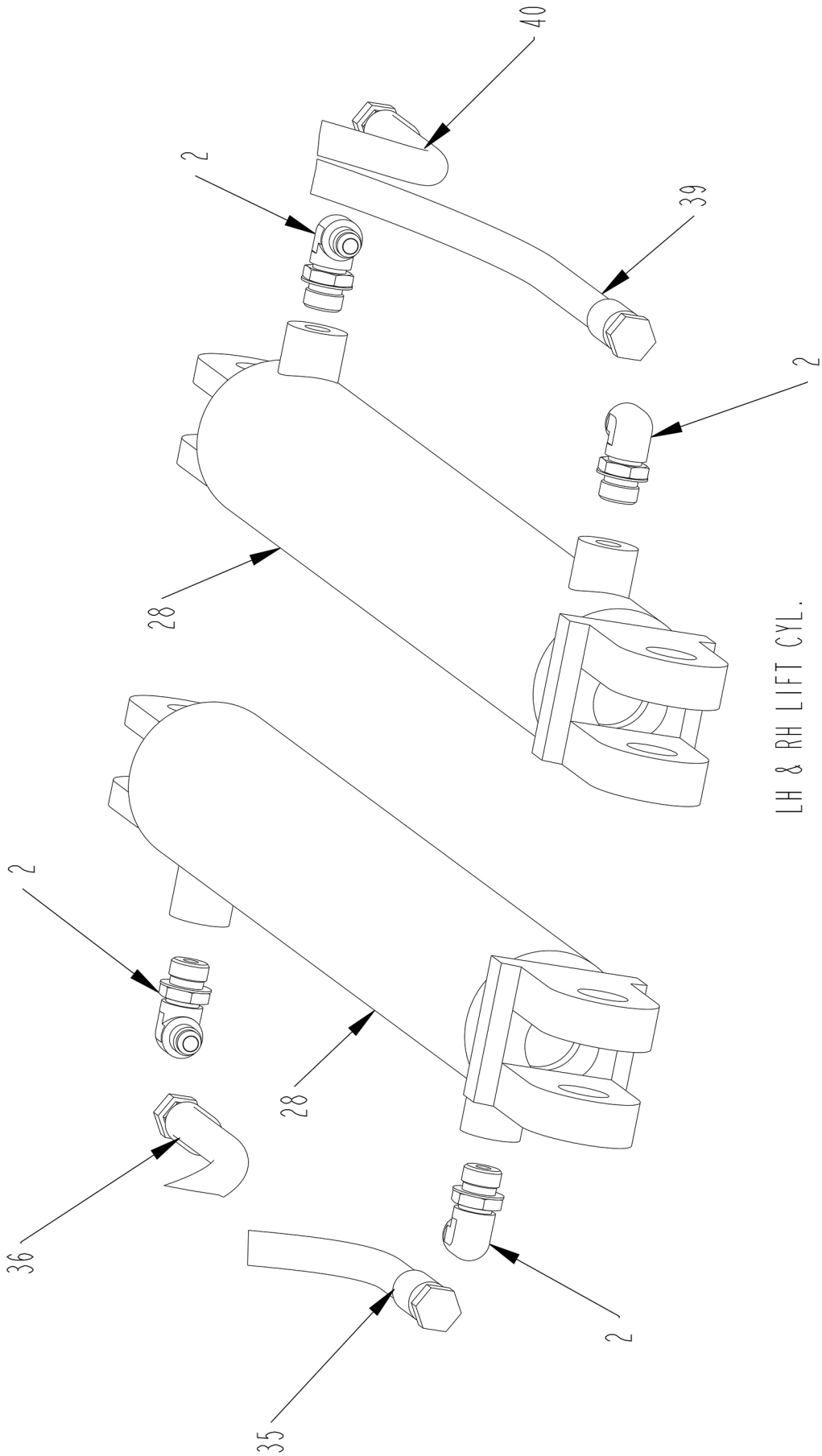
AUX. VALVE/ORBIT MOTOR/DEFLECTOR CYL.

You MUST be able to read "BRAND HYDRAULIC"
on face when assembling

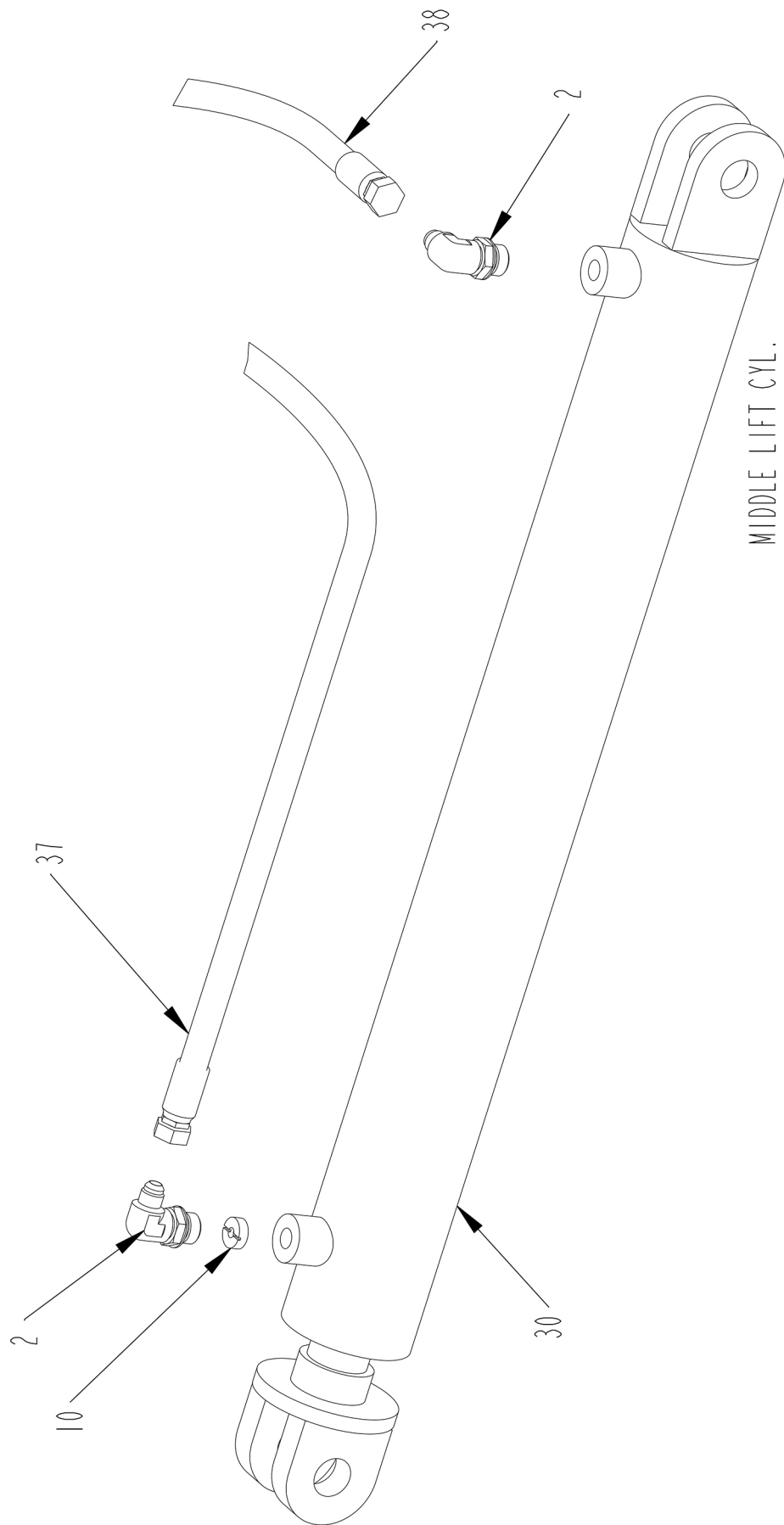
DIVIDER BLOCK (S.N. 0039 AND UP)



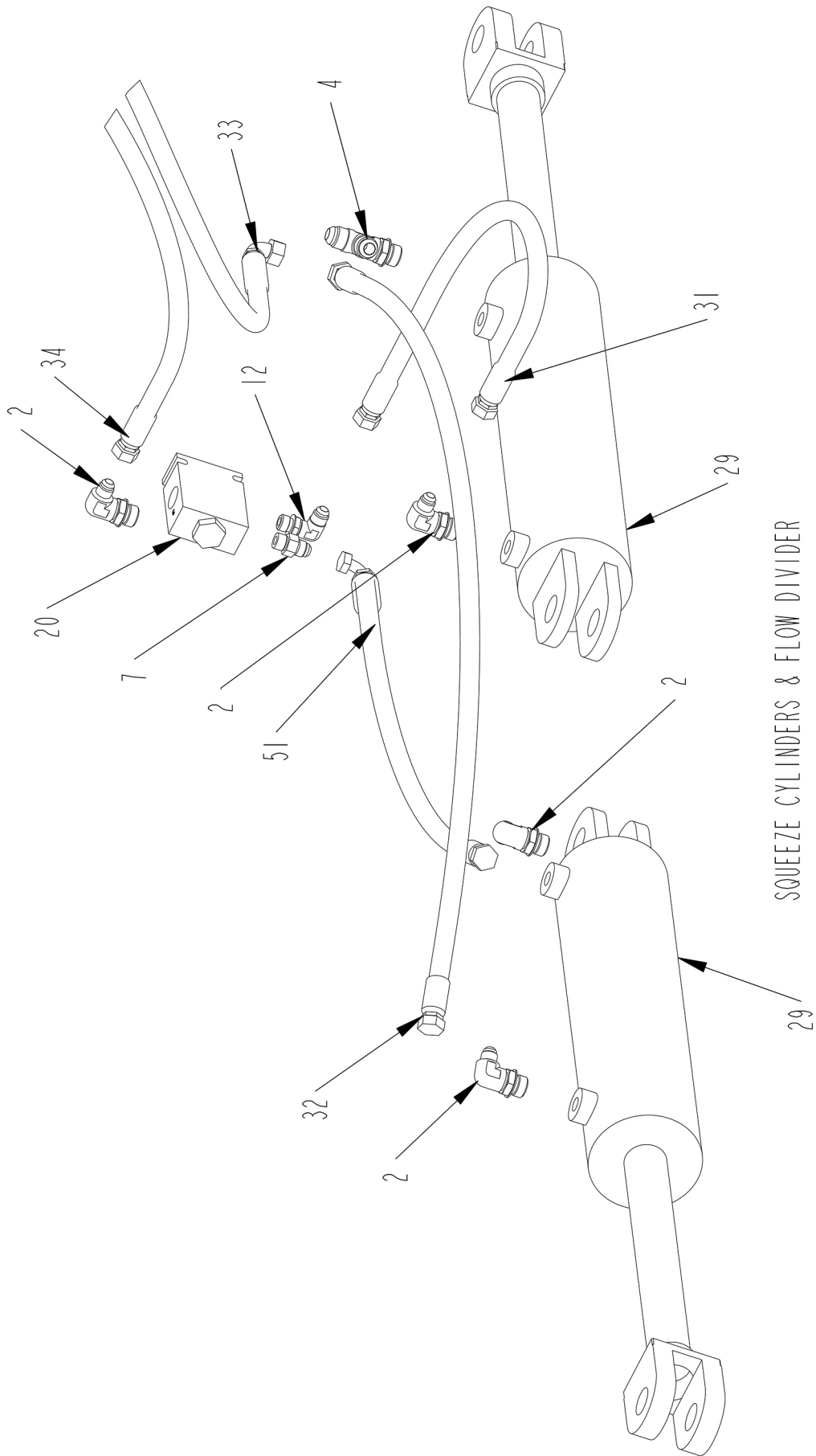
RH AND LH LIFT CYLINDERS (S.N. 0039 AND UP)



MIDDLE LIFT CYLINDERS (S.N. 0039 AND UP)



SQUEEZE CYLINDERS & FLOW DIVIDER (S.N. 0039 AND UP)

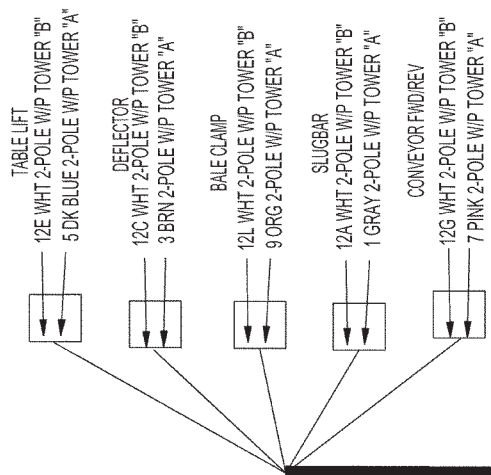


SQUEEZE CYLINDERS & FLOW DIVIDER

HYDRAULIC PARTS LIST (S.N. 0039 AND UP)

ITEM	PART NO.	QTY.	DESCRIPTION
1	3800428	1	MNFLD\DBL;TEE\BLK\3/4FOR
2	3800453	18	FTG\3/4MORX9/16MJIC\90
3	3800477	1	FTG\3/4MORX3/4MJIC\ST
4	3800483	4	FTG\3/4MORX3/4MJICX3/4MJIC\RUN;TEE
5	3800530	8	FTG\3/4MORX9/16MJIC\ST
6	3800537	1	FTG\3/4MORX3/4MJIC\90
7	3800631	1	FTG\9/16MORX9/16MJIC\ST
8	3800675	2	FTG\7/8MORX3/4MJIC\45
9	3800681	2	FTG\3/4MORSX1/2BARB\PARKER
10	3800683	5	FTG\3/4MOR\ORFICE\0.0490"
11	3800694	2	FTG\3/4FOR\QUICK;CPLR\MALE
12	3800757	1	FTG\9/16MORX9/16MJIC\90
13	3800889	2	FTG\3/4MORX3/4MJIC\ST
14	3800890	1	FTG\7/8MORX7/8MJIC\STLONG
15	3800891	1	FTG\1-1/16MORX7/8MJICX7/8MJIC\RUN;TEE
16	3800892	2	FTG\1-1/16MORX7/8MJIC\90
17	3800940	1	FTG\3/4MORX3/4MOR\ADPT (S.N. 0219 & UP)
18	3900025	1	MOTOR\HYD\17.9\HAMNT\7/8FOR\1SHFT
19	4000174	11	SOL\HYD\12VDC\HYDRAFORCE
20	4000280	1	VLV\HYD\DIVIDER\FLOW
21	4000288	1	FTG\7/8MORX7/8MJIC\ST\CHCK
22	4000331	1	VALVE\FW-CNTRL\#8FOR
23	4000343	1	VALVE\HYD\2800
24	4000345	1	VLV\HYD\CNTRL\FLOW\12GPM
25	4000544	1	VALVE\HYD\RELIEF\THERMAL (S.N. 0219 & UP)
26	4700776	16	CLMP\HOSE\3/8
27	4100226	2	CYL\HYD\2X8\1-1/4RD -CANADIAN TOOL & DIE
27A	4100210		CYL\HYD\2X8\1-1/4RD -RAM INDUSTRIES
28	4100261	2	CYL\HYD\3X20\1-1/2ROD -CANADIAN TOOL & DIE
28A	4100328		CYL\HYD\3X20\1-1/2ROD -RAM INDUSTRIES
29	4100268	2	CYL\HYD\3-1/2X12\1-1/2ROD -CANADIAN TOOL & DIE
29A	4100216		CYL\HYD\3-1/2X12\1-1/2ROD -RAM INDUSTRIES
30	4100269	1	CYL\HYD\3X24\1-1/2ROD -CANADIAN TOOL & DIE
30A	4100250		CYL\HYD\3X24\1-1/2ROD -RAM INDUSTRIES
31	3701060	1	HOSE\HYD\3/8X20\9/16FJICS FLOW DIV. TO CAP END OF LH SQUEEZE CYL.
32	3701061	1	HOSE\HYD\3/8X47\3/4FJICX9/16FJIC ROD END SQUEEZE CYL TO ROD END SQUEEZE CYL TEE
33	3701062	1	HOSE\HYD\3/8X24\9/16FJICX3/4FJIC\90 ROD END SQUEEZE CYL. TO FRONT AUX. VALVE
34	3701063	1	HOSE\HYD\3/8X24\9/16FJICS FLOW DIV. TO AUX. VALVE (SQUEEZE)
35	3701064	1	HOSE\HYD\3/8X37\9/16FJICS ROD END LH LIFT CYL. TO DIV. BLOCK LOWER PORT
36	3701065	1	HOSE\HYD\3/8X30\9/16FJICS CAP END LH LIFT CYL. TO DIVIDER BLOCK UPPER PORT
37	3701066	1	HOSE\HYD\3/8X137\3/4FJIC-9/16FJIC ROD END MIDDLE CYL. TO TEE
38	3701067	1	HOSE\HYD\3/8X110\3/4FJIC-9/16FJIC CAP END MIDDLE CYL. TO TEE
39	3701064	1	HOSE\HYD\3/8X37\9/16FJICS ROD END RH LIFT CYL TO DIV. BLOCK LOWER PORT
40	3701065	1	HOSE\HYD\3/8X30\9/16FJICS CAP END RH LIFT CYL TO DIV. BLOCK UPPER PORT
41	3701070	1	HOSE\HYD\3/8X182\9/16FJICX3/4FJIC\90 DIVIDER BLOCK LOWER PORT TO AUX. VALVE
42	3701070	1	HOSE\HYD\3/8X182\9/16FJICX3/4FJIC\90 DIVIDER BLOCK UPPER PORT TO AUX. VALVE
43	3701071	1	HOSE\HYD\3/8X47\9/16FJICS CAP END DEFLECTOR CYL. TO AUX. VALVE
44	3701072	1	HOSE\HYD\3/8X56.5\9/16FJICS ROD END DEFLECTOR CYL. TO AUX. VALVE
45	3701073	1	HOSE\HYD\1/2X35.5\3/4FJICS ORBIT MOTOR TO CF FLOW CONTROL
46	3701074	1	HOSE\HYD\1/2X30.5\3/4FJICS ORBIT MOTOR TO TEE ON EF FLOW CONTROL
47	3701075	1	HOSE\HYD\1/2X20\3/4FJICX3/4FJIC\90 EF OF FLOW CONTROL TO AUX. VALVE
48	3701076	1	HOSE\HYD\1/2X21\3/4FJICS IN PORT OF FLOW CONTROL TO AUX. VALVE
49	3701077	1	HOSE\HYD\1/2X110\7/8FJICX3/4MOR FLOW CONTROL IN TO TRACTOR
50	3701077	1	HOSE\HYD\1/2X110\7/8FJICX3/4MOR FLOW CONTROL EXCESS TEE TO TRACTOR
51	3701078	1	HOSE\HYD\3/8X26\9/16FJICX9/16FJIC\90 FLOW DIV. TO CAP END OF RH SQUEEZE CYL.
52	3701079	1	HOSE\HYD\3/8X60\9/16FJICS ROD END SLUGBAR TO AUX VALVE
53	3701080	1	HOSE\HYD\3/8X70\9/16FJICS CAP END SLUGBAR TO AUX VALVE
54	3701068	1	HOSE\HYD\1/2X16.5\7/8FJICX7/8FJIC\90 AUX VALVE OUT TO FLOW CONTROL EXCESS TEE
55	3701069	1	HOSE\HYD\1/2X21\7/8FJICX7/8FJIC\90 AUX VALVE IN TO FLOW CONTROL OUT

5700622
IMPLEMENT HALF 2800 HARNESS

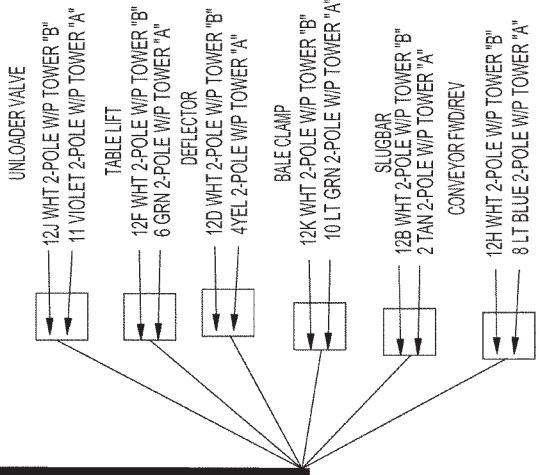


5700811

60" Optional Extension Harness

5700830

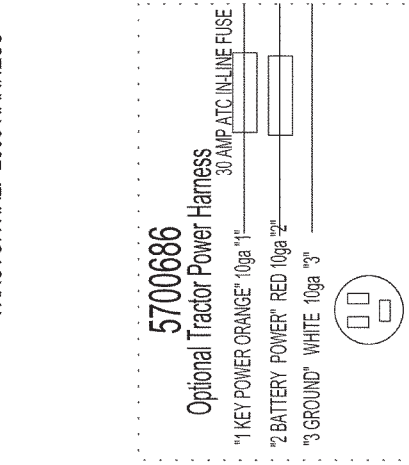
180" Optional Extension Harness



- A - 1 GRAY
- B - 2 TAN
- C - 3 BROWN
- D - 4 YELLOW
- E - 5 DK BLUE
- F - 6 GREEN
- G - 7 PINK
- H - 8 LT BLUE
- J - 9 ORANGE
- K - 10 LT GREEN
- R - 11 VIOLET
- S - 12 WHITE

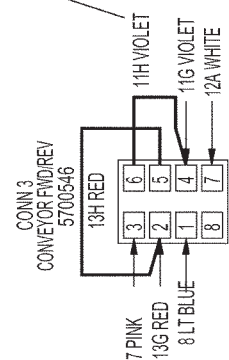
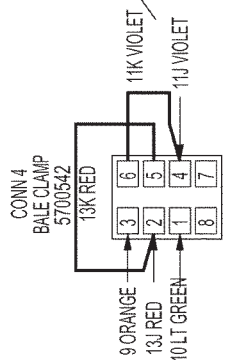
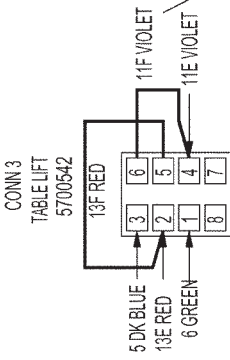
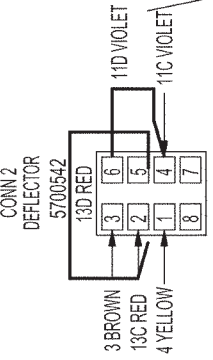
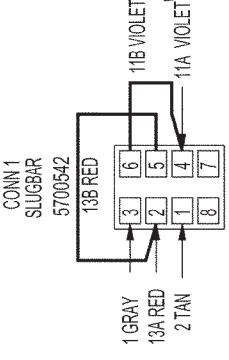
Note
Solenoid BLACK Wire "B"
Solenoid RED Wire "A"

5700621
TRACTOR HALF 2800 HARNESS

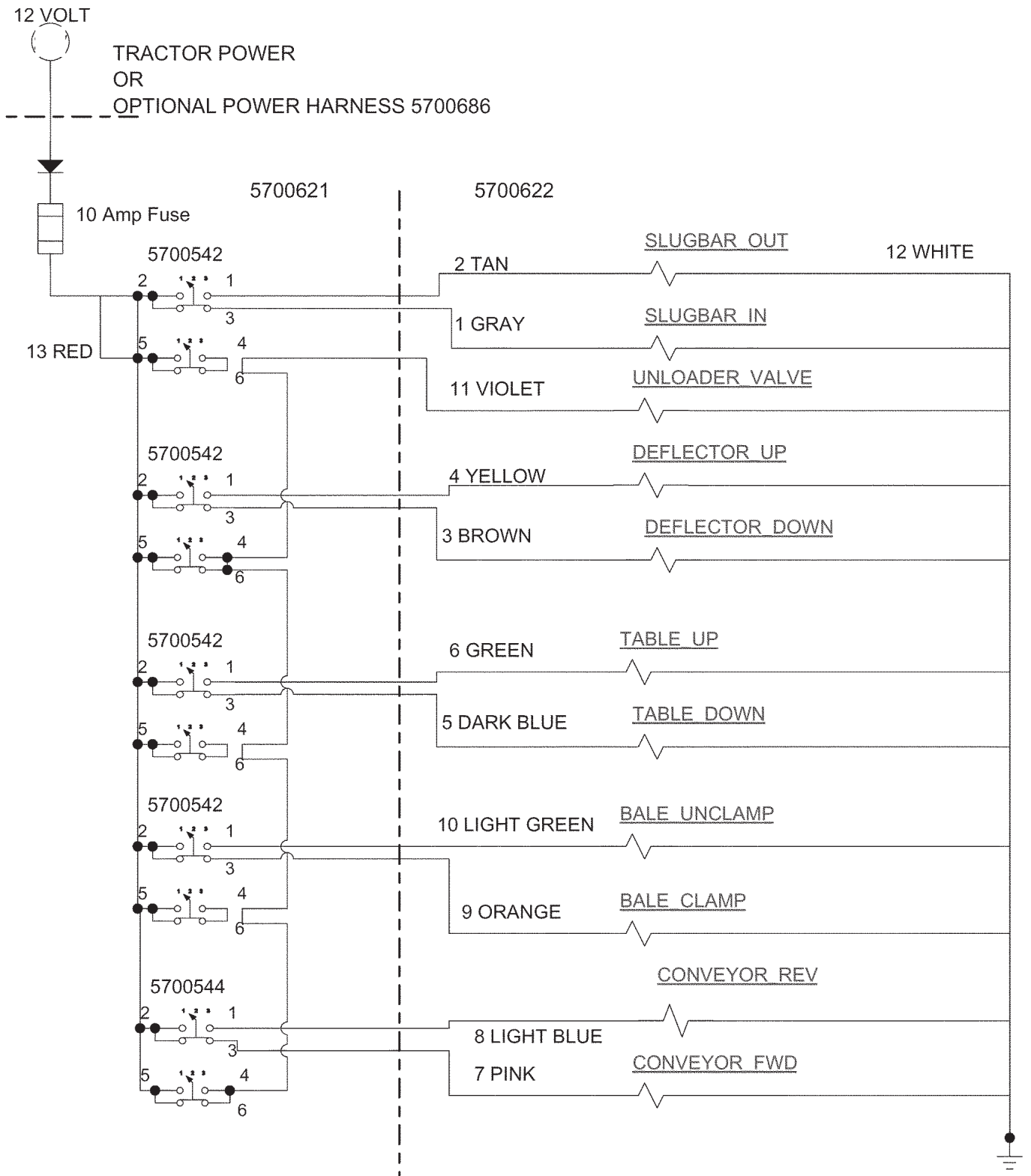


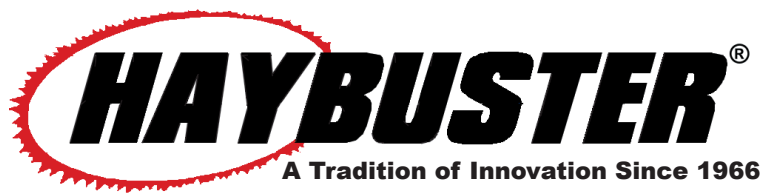
- A - 1 GRAY
- B - 2 TAN
- C - 3 BROWN
- D - 4 YELLOW
- E - 5 DK BLUE
- F - 6 GREEN
- G - 7 PINK
- H - 8 LT BLUE
- J - 9 ORANGE
- K - 10 LT GREEN
- R - 11 VIOLET
- S - 12 WHITE

Not Shown - 7200445 - Mounting Plate that is used to fasten 5700621 to tractor

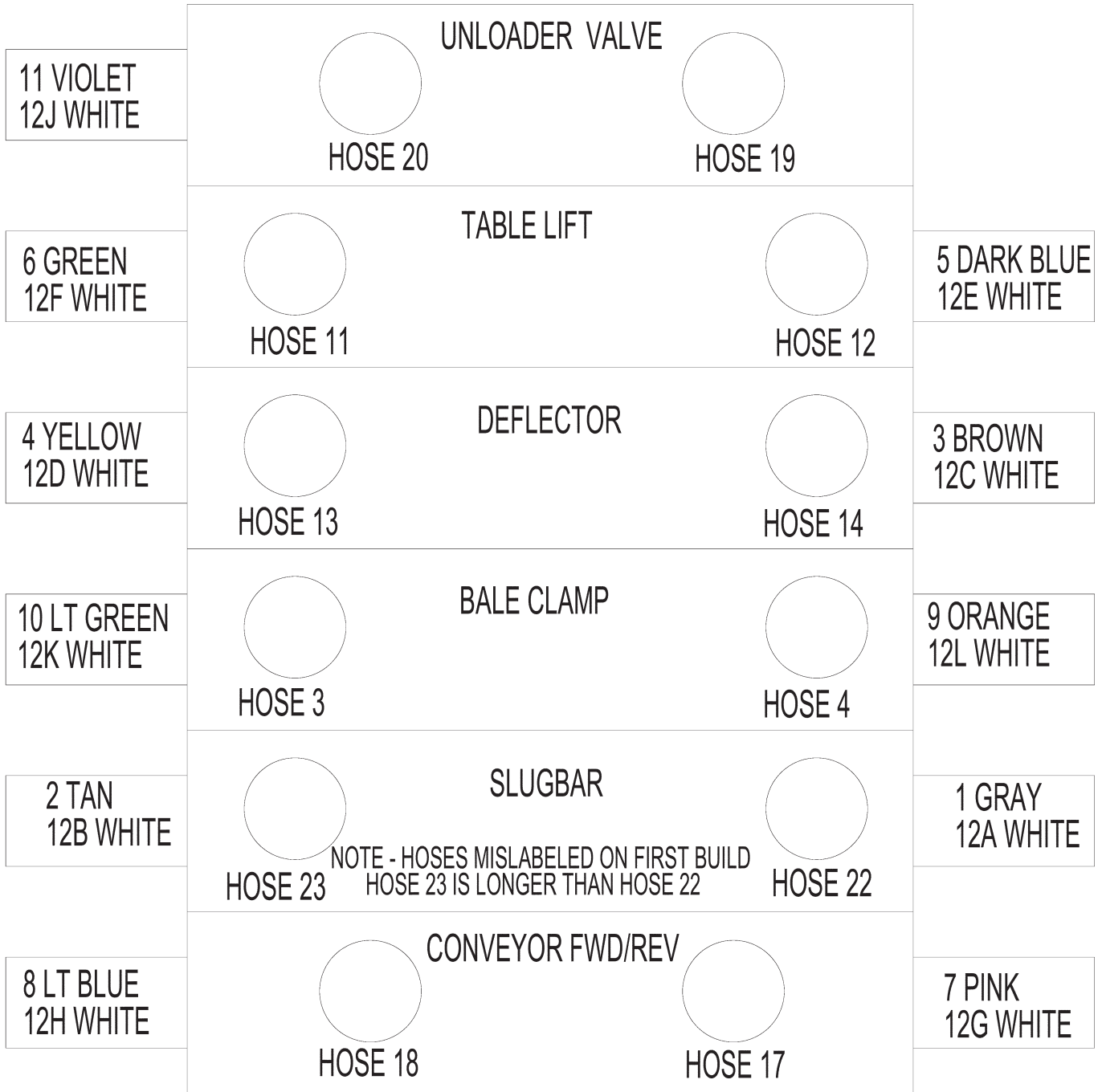


OPTIONAL POWER HARNESS 5700686





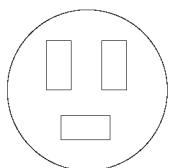
**2800 VALVE HOSE AND WIRE LAYOUT PLUS TRACTOR
AUXILLIARY POWER HARNESS S.N. UP TO 0038 (5700868)**



2800 HOSE AND WIRE LAYOUT ON VALVE

5700686 TRACTOR AUXILLIARY POWER HARNESS

30 AMP ATC IN-LINE FUSE

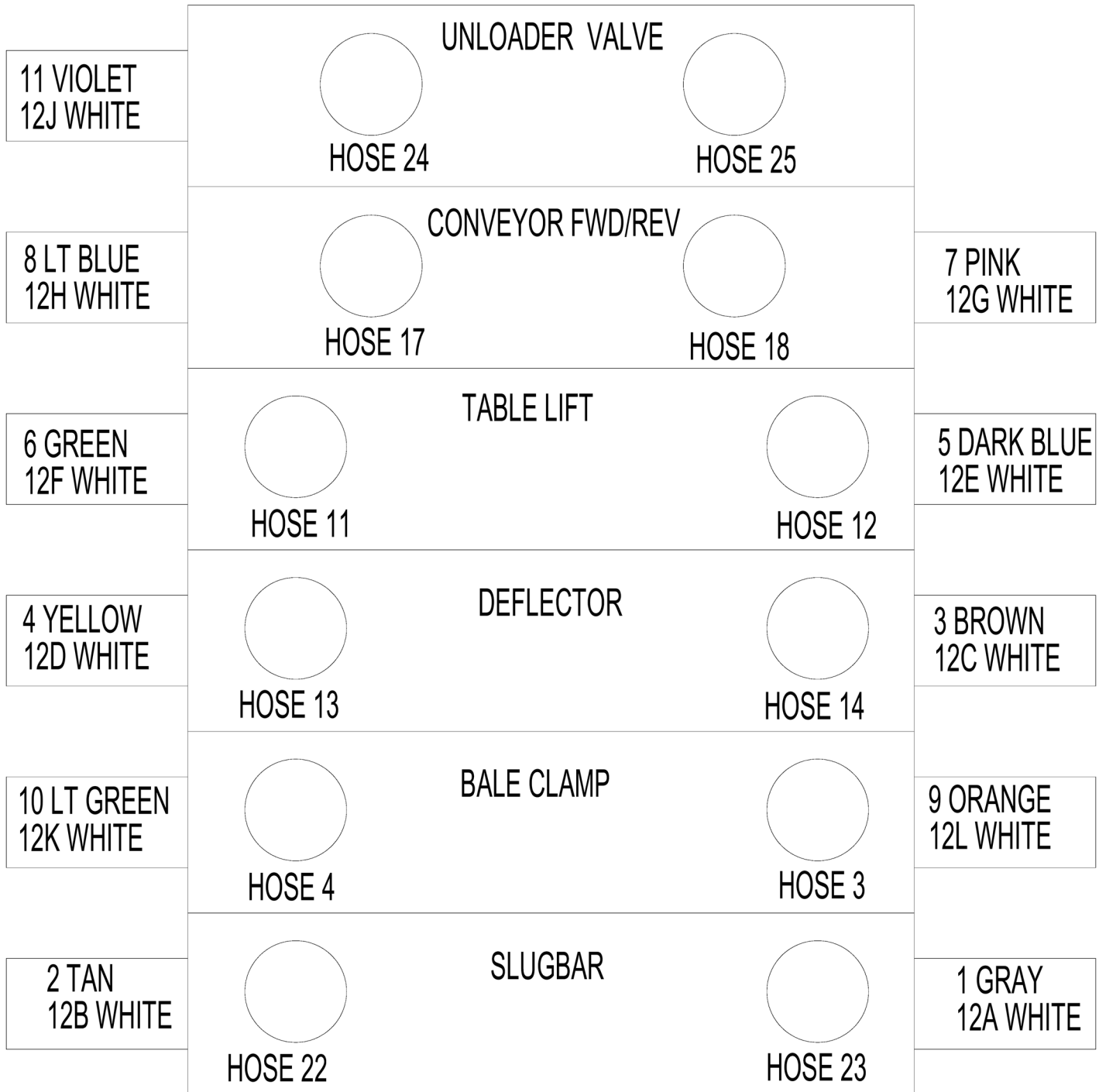


101 RED PIN "1"
051 WHITE PIN "3"



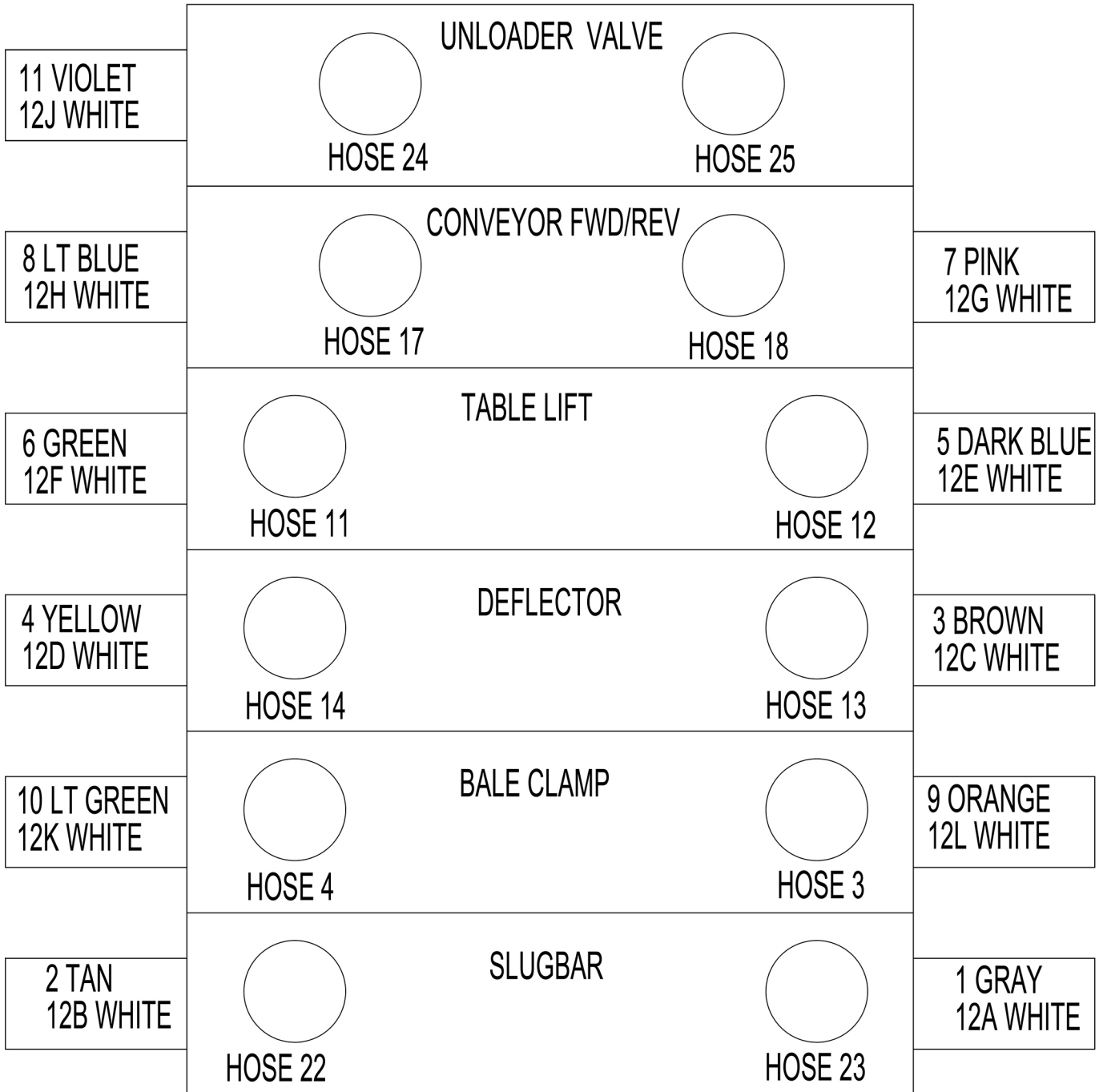
KEY POWER
TRACTOR GROUND

**2800 VALVE HOSE AND WIRE LAYOUT PLUS TRACTOR
AUXILIARY POWER HARNESS S.N. 0039 UP TO 0218 (5700868)**



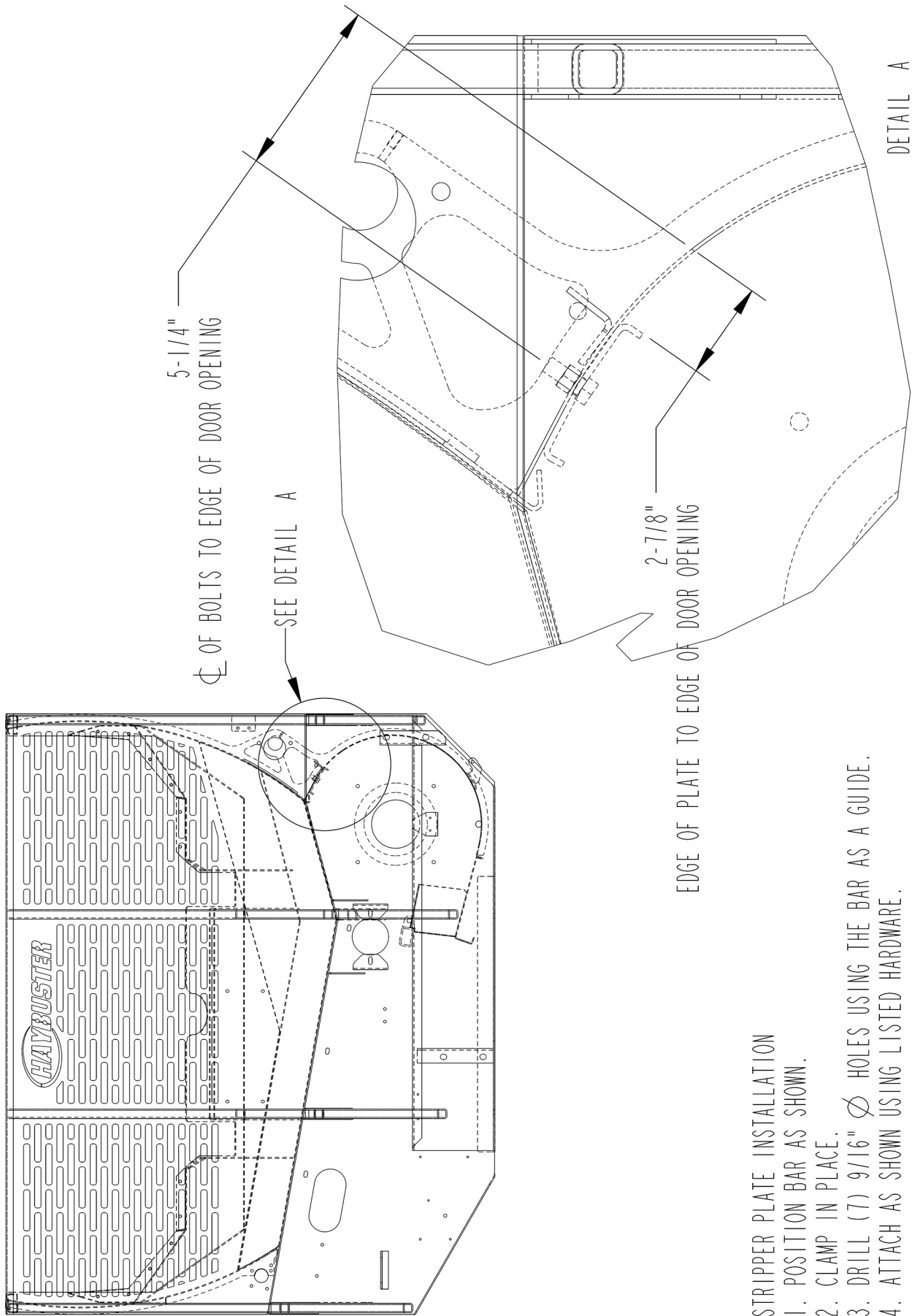
2800 HOSE AND WIRE LAYOUT ON VALVE

**2800 VALVE HOSE AND WIRE LAYOUT PLUS TRACTOR
AUXILIARY POWER HARNESS S.N. 0219 & UP (5700868)**



2800 HOSE AND WIRE LAYOUT ON VALVE

STRIPPER PLATE (OPTION)

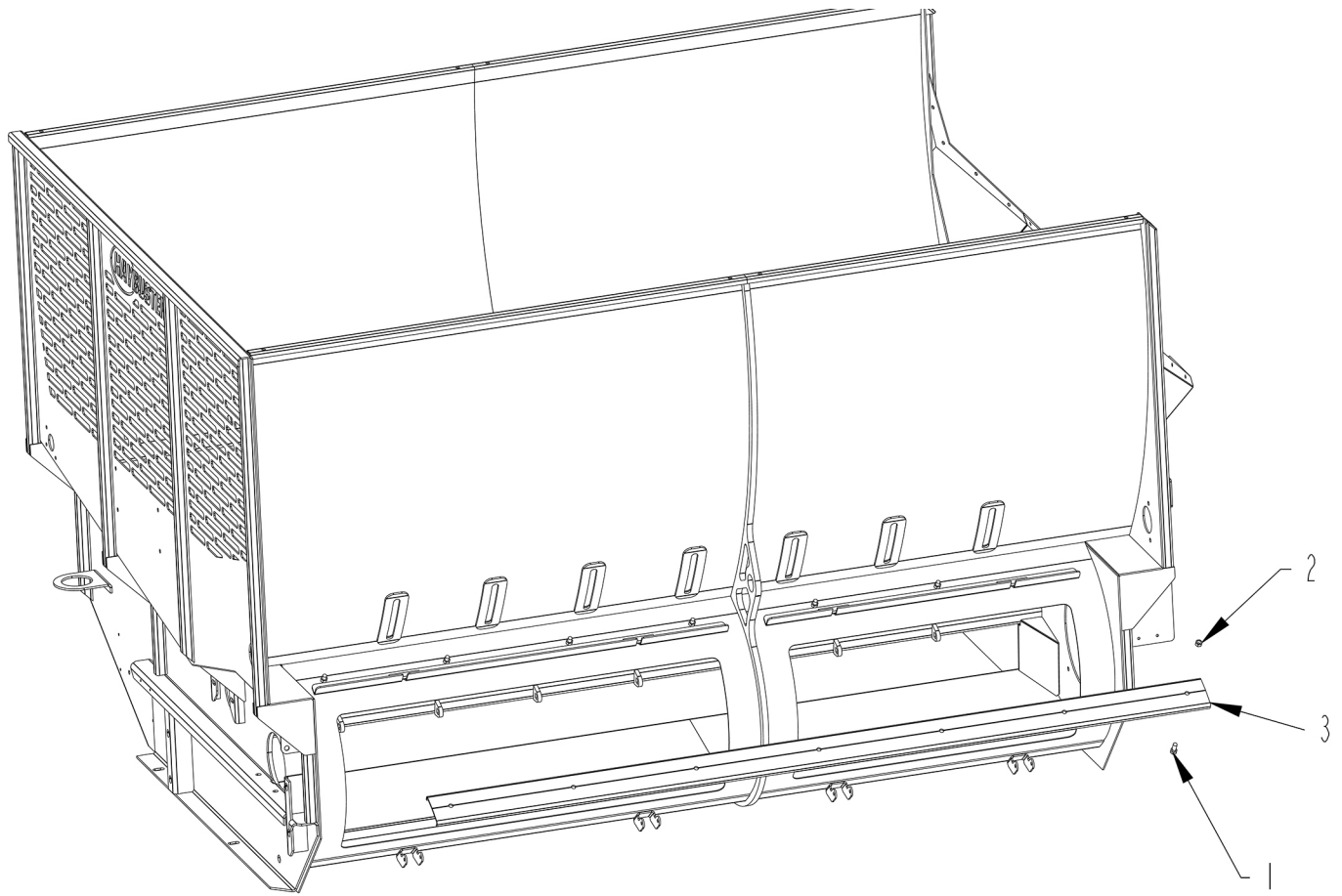


STRIPPER PLATE INSTALLATION

1. POSITION BAR AS SHOWN.
2. CLAMP IN PLACE.
3. DRILL (7) 9/16" Ø HOLES USING THE BAR AS A GUIDE.
4. ATTACH AS SHOWN USING LISTED HARDWARE.

STRIPPER PLATE (OPTION)

ITEM	PART	QTY.	PART DESCRIPTION
1	4800018	7	BOLT\HEX\1/2X1-1/4
2	4900014	7	NUT\TPLCK\1/2\NC
3	8101623	1	SH\STRIPPER\2800
	8101624		CHNNL\STRPPR\KIT\2800





2.

WARNING **ADVERTENCIA**

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

PARA ASEGURAR SU PROTECCION, MANTENGA TODOS LOS PROTECTORES EN SU LUGAR Y ASEGURADOS MIENTRAS LA MAQUINA ESTE OPERANDO. LAS PIEZAS MOVILES INTERNAS PUEDEN CAUSAR LESIONES PERSONALES GRAVES.

5.

DANGER FLYING HAY, ROCKS, AND OTHER OBJECTS THROWN BY MACHINE. STAY CLEAR OF DISCHARGE SIDE OF MACHINE UNLESS OPERATOR HAS STOPPED TRACTOR ENGINE AND MACHINE HAS STOPPED ROTATING. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SEVERE PERSONAL INJURY OR DEATH.

PELIGRO LA PAJA, LAS PELORAS Y OTRAS COSAS TIRADAS POR LA MAQUINA. NO SE PASE JUNTO AL LADO DE PARADOR DE LA MAQUINA SI EL MOTOR ESTA EN MARCHA Y LAS PALETAS ESTAN EN MOVIMIENTO. NO SEGUIR ESTAS INSTRUCCIONES PUEDE RESULTAR EN HERIDAS GRAVES E INCLUSO LA MUERTE.

3.

DANGER PELIGRO

ROTATING FLAILS CAN KILL OR DISMEMBER KEEP CLEAR OF MACHINE UNTIL POWER TAKE-OFF HAS BEEN DISENGAGED, TRACTOR ENGINE SHUT OFF AND BAL ROTATION STOPPED.

LAS PALETAS EN MOVIMIENTO PUEDEN DESMEMBRAR E INCLUSO MATAR MANTENGA SU DISTANCIA HASTA QUE SE DESCONECTE LA TOMA DE FUERZA, EL MOTOR PARE Y LAS PALETAS DEJEN DE MOVERSE.

4.

WARNING No Riders Serious personal injury could result from riding on the machine.

ADVERTENCIA Pasajeros Prohibidos Podrían resultar lesiones personales graves al viajar en la maquina.

7.

DANGER

Rotating Driveline Keep Away! Entanglement can cause serious injuries or death. Do Not Operate Without -

- All driveline guards, tractor and equipment shields in place.
- Drivelines securely attached at both ends.
- Drivelines guards that turn freely on driveline.

8.

WARNING **ADVERTENCIA**

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

- BEFORE OPERATING THIS MACHINE, READ THE OPERATOR'S MANUALS SUPPLIED WITH THIS MACHINE AND YOUR TRACTOR.
- CHECK OPERATOR'S MANUALS TO BE SURE YOUR TRACTOR MEETS THE MINIMUM REQUIREMENTS FOR THIS MACHINE.
- READ ALL DECALS PLACED ON THIS MACHINE FOR YOUR SAFETY AND CONVENIENCE.
- NEVER ALLOW RIDERS ON THIS IMPLEMENT OR THE TRACTOR.
- KEEP OTHERS AWAY FROM THIS MACHINE WHILE IN OPERATION.
- KEEP ALL SHIELDS IN PLACE WHILE MACHINE IS OPERATING.
- KEEP HANDS, FEET, LOOSE CLOTHING, ETC. AWAY FROM POWER DRIVEN PARTS.
- ALWAYS SHUT OFF MACHINE AND ENGINE BEFORE SERVICING, UNLOADING, 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.
- LEA LOS MANUALES DEL OPERADOR INCLUIDOS CON ESTA MAQUINA Y SU TRACTOR ANTES DE OPERAR ESTA MAQUINA.
- PARA ASEGURARSE QUE SU TRACTOR CUMPLE CON LOS REQUISITOS MÍNIMOS PARA ESTA MAQUINA, REVISE LOS MANUALES DEL OPERADOR.
- PARA SU SEGURIDAD Y CONVENIENCIA, LEA TODAS LAS CALCOMANIAS COLOCADAS EN LA MAQUINA.
- NUNCA PERMITA PASAJEROS EN ESTA MAQUINA O EN EL TRACTOR.
- MANTENGA ALEJADOS A LOS ESPECTADORES MIENTRAS ESTA MAQUINA ESTE OPERANDO.
- MANTENGA TODOS LOS PROTECTORES EN SU LUGAR MIENTRAS LA MAQUINA ESTE OPERANDO.
- MANTENGA LAS MANOS, PIES, ROPAS HOLLADAS, ETC. ALEJADAS DE LAS PIEZAS PROPULSADAS.
- SIEMPRE APAGUE LA MAQUINA Y EL MOTOR ANTES DE PRESTAR SERVICIO, DESCARGAR, INSPECCIONAR O TRABAJAR CERCA DE ESTA MAQUINA POR CUALQUIER MOTIVO. ANTES DE ACCERCARSE A ESTA MAQUINA COLOQUE SIEMPRE LA TRANSMISION EN ESTACIONAMIENTO O ENGANCHE DEL FRENO DE ESTACIONAMIENTO.

6.



9.



10.



11.



12.

CAUTION 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".

PRECAUCIÓN 1. AJUSTAR LA BARRA DE TIPO DEL TRACTOR DE MODO QUE LA DISTANCIA DEL EXTREMO DEL EJE DE LA TDP DEL TRACTOR AL CENTRO DEL PASADOR DEL ENGANCHE DE LA BARRA DE TIPO MEDA 16 pulg (406.4 mm).

2. ADJUST THE HITCH CLEVIS SO THE MACHINE IS PARALLEL WITH THE GROUND WHEN HITCHED TO TRACTOR.

2. AJUSTAR LA HORQUILLA DEL ENGANCHE DE MODO QUE LA MAQUINA QUEDE PARALELA CON EL SUELO CUANDO ESTÁ ENGANCHADA AL TRACTOR.

3. SWITCH MACHINE TO TRACTOR WITH A 1" HITCH PIN AND SECURE TO PREVENT LOSS.

3. ENGANCHAR LA MAQUINA AL TRACTOR CON UN PASADOR DE ENGANCHE DE 1 pulg (25.4 mm) Y FIRMARLO BIEN EN SU LUGAR PARA DESCONECTAR.

4. ADJUST PTO BEARING BRACKET SO THE SHAFT ON THE MACHINE IS LEVEL WITH THE PTO SHAFT ON THE TRACTOR.

4. AJUSTAR LA ESCUADRIA DEL CUNETE DE LA TDP DE MODO QUE EL EJE DE LA MAQUINA QUEDE AL MISMO NIVEL CON EL EJE DE LA TDP DEL TRACTOR.

SEE OWNERS MANUAL FOR MORE INFORMATION. VER EL MANUAL DEL OPERADOR PARA MAS INFORMACION.

13.

FLAIL BOLTS 5/8X4-NF GR8 TIGHTEN 156 FT-LBS

19.



14.

PRODUCED UNDER U.S. PATENT NO. 7,793,873

16.

2800

15.



17.

WARNING No Step. Do not step, stand or sit on this surface. May cause injury and/or equipment damage.

18.

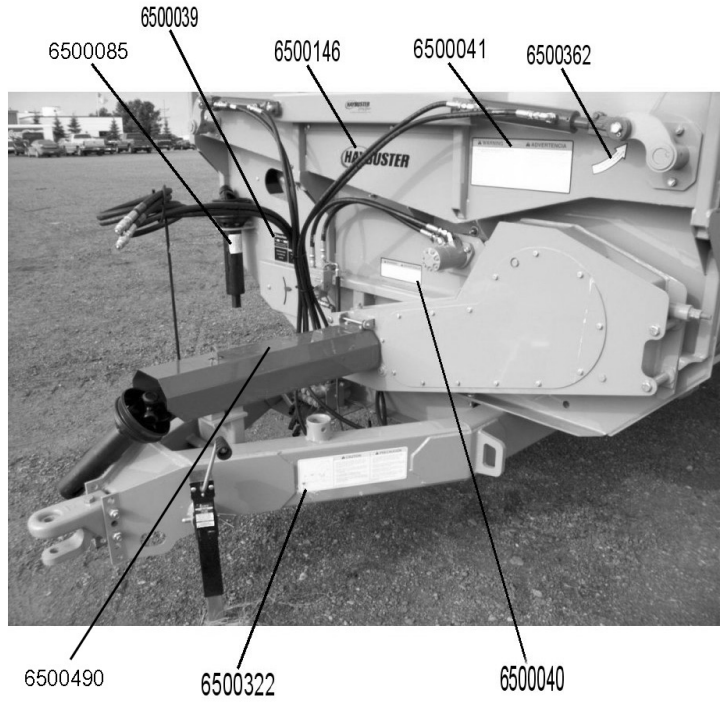
DECALS

ITEM	PART	QTY.	PART DESCRIPTION
1	6500368		DECAL\KIT\2800
2	6500020	2	DECAL\LOGO\HYBSTR\SNBRS\3
3	6500034	2	DECAL\DNGR\FLYG;HAY\RACK
4	6500035	1	DECAL\DNGR\ROTATNG;FLAILS
5	6500040	1	DECAL\WARN\SHIELD\PROT
6	6500041	1	DECAL\WARN\PROTECTION
7	6500043	1	DECAL\WARN\NO;RIDERS
8	6500085	1	DECAL\DNGR\ROTATING;DR-LINE
9	6500146	1	DECAL\LOGO\HYBSTR\SNBRS\2
10	6500434	5	DECAL\2X9\RED\REFCT
11	6500435	5	DECAL\2X9\AMBER\REFCT
12	6500302	16 FT	DECAL\LOGO\STRIP\3\RD&BLK
13	6500322	1	DECAL\CAUTION\ADJ.DRAWBAR
14	6500362	1	DECAL\INFO\BALE ROTATION CNRT\CLCKWS\ARROW
15	6500375	2	DECAL\LOGO\2800
16	6500459	1	DECAL\PATENT\2800\#7,793,873
17	6500479	1	DECAL\LOADER\POSITION
18	6500490	1	DECAL\WARN\NO STEP
19	6500546	1	DECAL\BOLTS\FLAIL\156 FT-LBS

NOT SHOWN

6500038	1	DECAL\PATENT\#4,449,672
6500070	1	DECAL\PATENT\CAN\#1,186>
6500144	1	DECAL\PATENT\US\#5,090,>
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



DECAL LOCATIONS





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.

