

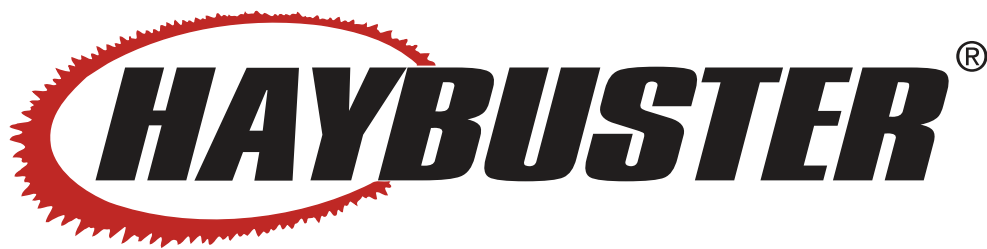
2800TM BALEBUSTER



Operating Instructions



and Parts Reference



2800™ BALEBUSTER

Operating Instructions



and Parts Reference

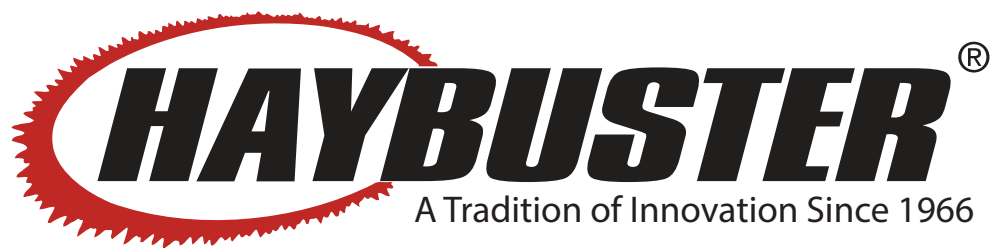
DuraTech Industries International Inc. (DuraTech Industries) has made every effort to assure that this manual completely and accurately describes the operation and maintenance of the 2800 BALEBUSTER™ as of the date of publication. DuraTech Industries reserves the right to make updates to the machine from time to time. Even in the event of such updates, you should still find this manual to be appropriate for the safe operation and maintenance of your unit.

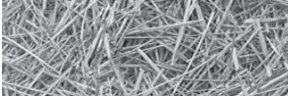
This manual, as well as materials provided by component suppliers to DuraTech Industries are all considered to be part of the information package. Every operator is required to read and understand these manuals, and they should be located within easy access for periodic review.



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FOREWORD



Foreword

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

- 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.

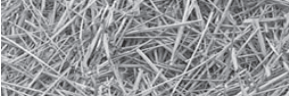


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Operator protection

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.

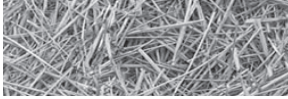


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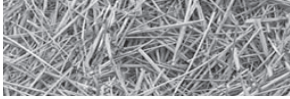


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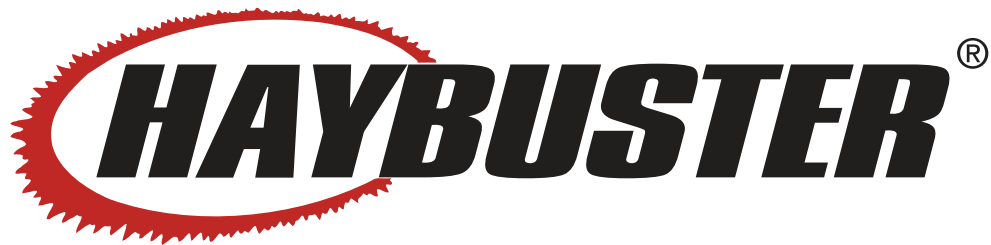
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2800™ BALEBUSTER

Operating Instructions

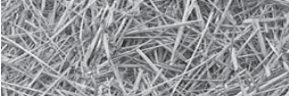


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This manual, as well as materials provided by component suppliers to DuraTech Industries are all considered to be part of the information package. Every operator is required to read and understand these manuals, and they should be located within easy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

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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.

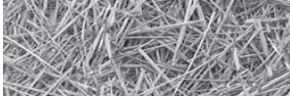
Purpose

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:

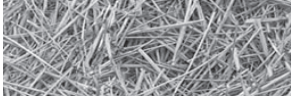
- **Part 1: Operating instructions** explain how to set up, use and maintain the 2800 BALEBUSTER.
- **Part 2: Parts reference** contains diagrams of each assembly, with the part number of each part. A key on the facing page contains a description of the part and the quantity used.

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.

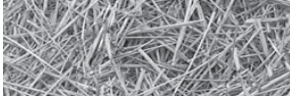
1.4 Shielding

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.

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

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

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

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

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



DANGER:

Signal word - White Lettering/Red Background

Safety Alert Symbol - White Triangle/Red Exclamation Point



WARNING:

Signal word - Black Lettering/Orange Background

Safety Alert Symbol - Black Triangle/Orange Exclamation Point



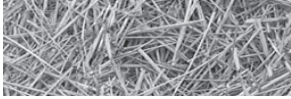
CAUTION:

Signal word - Black Lettering/Yellow Background

Safety Alert Symbol - Black Triangle/Yellow Exclamation Point



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



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.



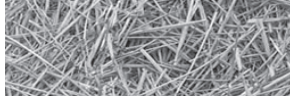
Protect your head with a hard hat to reduce the risk of injury from flying debris.



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 muffers) to protect your hearing. Continual and regular users should have their hearing checked regularly.



1.3 Machine safety labels

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



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

STAY CLEAR OF DISCHARGE SIDE OF MACHINE UNLESS OPERATOR HAS STOPPED TRACTOR ENGINE AND MACHINE HAS STOPPED ROTATING. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SEVERE PERSONAL INJURY OR DEATH.



6500034



DANGER: ROTATING FLAILS CAN KILL OR DISMEMBER

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



6500035



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

DO NOT OPERATE WITHOUT

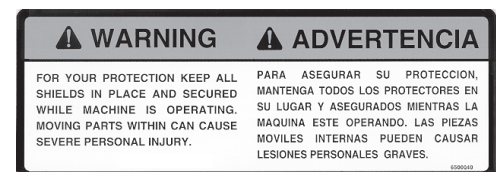
- ALL DRIVELINE GUARDS, TRACTOR AND EQUIPMENT SHIELDS IN PLACE
- DRIVELINES SECURELY ATTACHED AT BOTH ENDS
- DRIVELINE GUARDS THAT TURN FREELY ON DRIVELINE



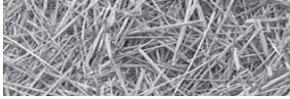
6500085



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



6500040



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

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



WARNING: 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

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.

ADVERTENCIA

SIGA LAS REGLAS SIGUIENTES DE SEGURIDAD PARA SU PROTECCION Y LA PROTECCION DE OTROS

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 REQUERIMIENTOS MINIMOS PARA ESTA MAQUINA, REVISAR LOS MANUALES DEL OPERADOR.
3. PARA SU SEGURIDAD Y CONVENIENCIA, LEA TODAS LAS CALCOMANIAS COLOCADAS EN LA MAQUINA.
4. NUNCA PERMITA PASAJEROS EN ESTA MAQUINA O EN EL TRACTOR.
5. MANTENGA ALEJADOS A LOS ESPECTADORES MIENTRAS ESTA MAQUINA ESTE OPERANDO.
6. MANTENGA TODOS LOS PROTECTORES EN SU LUGAR MIENTRAS LA MAQUINA ESTE OPERANDO.
7. MANTENGA LAS MANOS, PIES, ROPAS HOLGADAS, ETC., ALEJADAS DE LAS PIEZAS PROPULSADAS.
8. SIEMPRE APAGUE LA MAQUINA Y EL MOTOR ANTES DE PRESTAR SERVICIO, DESMONTAR, INSPECCIONAR O TRABAJAR CERCA DE ESTA MAQUINA POR CUALQUIER MOTIVO. ANTES DE ACERCARSE A ESTA MAQUINA COLOQUE SIEMPRE LA TRANSMISION EN ESTACIONAMIENTO O ENGANCHE EL FRENO DE ESTACIONAMIENTO.

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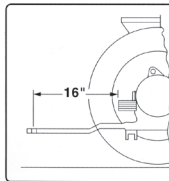


WARNING

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

6500490

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

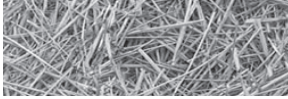
1. AJUSTAR LA BARRA DE TIPO DEL TRACTOR DE MODO QUE LA DISTANCIA DEL EXTREMO DEL EJE DE LA TOP DEL TRACTOR AL CENTRO DEL PASADOR DEL ENGANCHE DE LA BARRA DE TIPO MIDA 16 pulgadas (41 cm).
2. AJUSTAR LA HORQUILLA DEL ENGANCHE DE MODO QUE LA MAQUINA QUE SE PARALELA CON EL SUELO CUANDO ESTE ENGANCHADA AL TRACTOR.
3. ENGANCHAR LA MAQUINA AL TRACTOR CON UN PASADOR DE ENGANCHE DE 1 pulgada (25 mm) Y FIJARLO PARA EVITAR LA DESCONEXION.
4. AJUSTAR LA ESTRUCTURA DEL CORRETE DE LA TOP DE MODO QUE EL EJE DE LA MAQUINA QUEDA AL MISMO NIVEL CON EL EJE DE LA TOP DEL TRACTOR.

VER EL MANUAL DEL OPERADOR PARA MAS INFORMACION.

6500322

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.

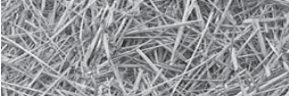


NOTE: Additional copies of the above mentioned materials can be obtained from your dealer.

- 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.



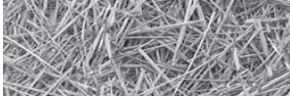
- c. Watch out for and avoid any object that might interfere with the proper operation of the machine.
- d. Replace missing or damaged flails.
- Power takeoff shafts must be locked in place with protective P.T.O. shields in place.
- Keep hands, feet and clothing away from power driven parts.
- Never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

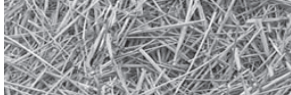


Section 2: Dealer preparation

2.1 Pre-delivery inspection

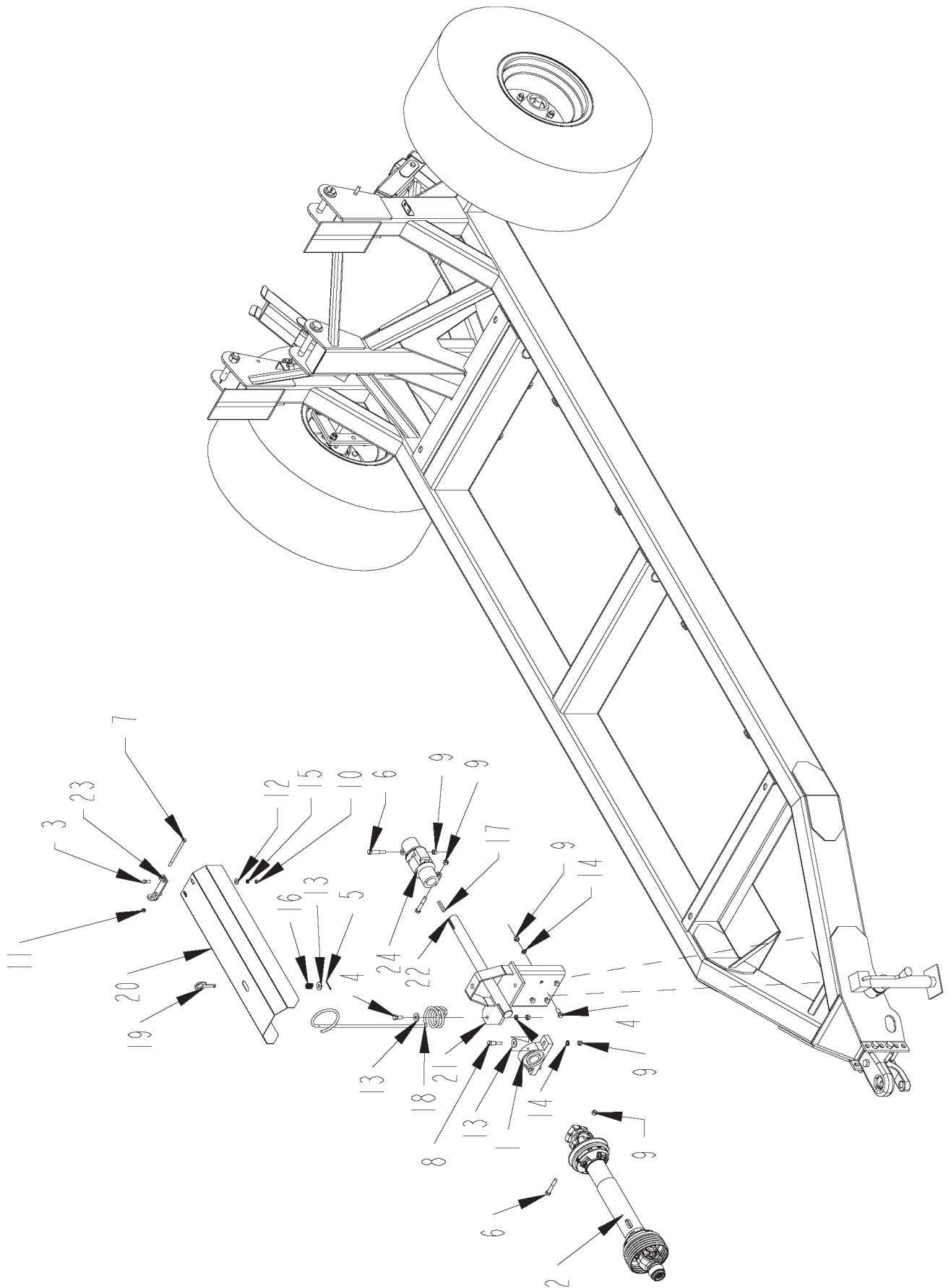
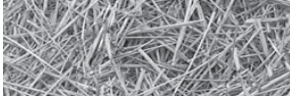
INSTRUCTIONS: Before delivering the machine, check the following items carefully and make corrections when necessary. Place an “X” in the box after each item has been checked and found to be acceptable.

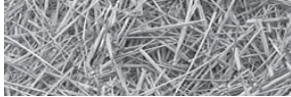
- ☐ Check machine for missing items or damage in transit.
- ☐ Check for loose bolts or set screws.
- ☐ Check all hydraulics components for leaks or damage.
- ☐ Check oil level in chain case. (fill with hydraulic oil)
- ☐ Check lug bolts for tightness.
- ☐ Check for loose flail bolts, torque to 156 Ft 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

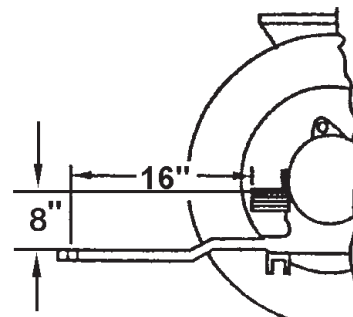
ITEM	PART	QTY.	PART DESCRIPTION
1	2000514	1	BRG\PB\1-3/4\2BOLT\MALLEABLE
2	3600459	1	PTO\252-21797\44R
3	4800003	2	BOLT\HEX\3/8X1
4	4800018	5	BOLT\HEX\1/2X1-1/4
5	4800044	1	PIN\COT\5/16X1-1/2
6	4800068	3	BOLT\HEX\1/2X3
7	4800210	1	BOLT\HEX\3/8X6
8	4800251	2	BOLT\HEX\1/2X2-1/4\NC
9	4900001	12	NUT\HEX\1/2\NC
10	4900002	11	NUT\HEX\3/8\NC
11	4900023	1	NUT\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\.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

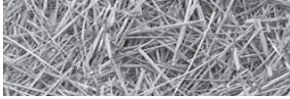




2.3 Assembly required

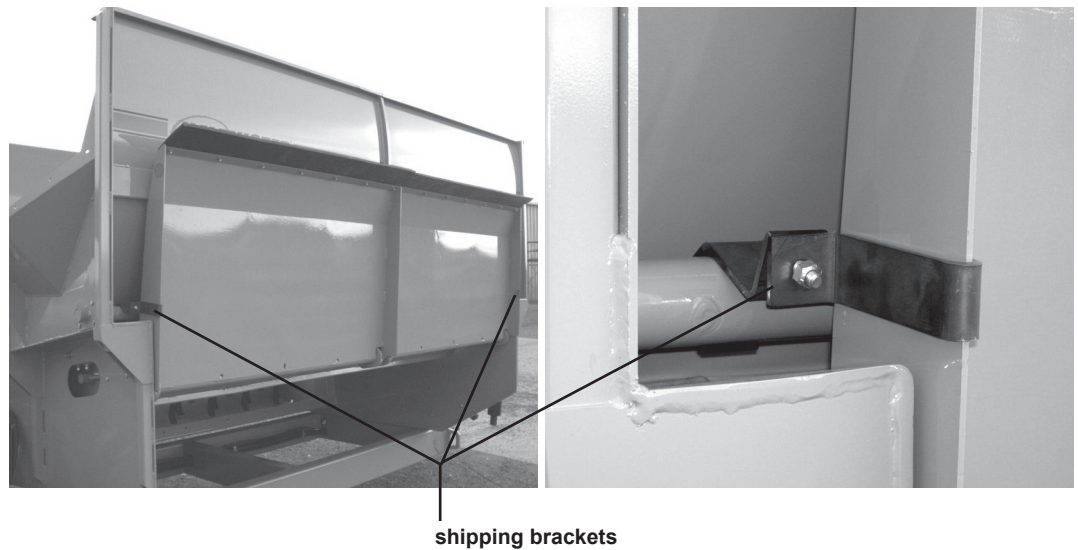
1. Adjust the tractor drawbar so that the distance from the end of the P.T.O. shaft on the tractor to the center of the drawbar hitch pin hole should be 16" (41 cm.), and the height for the top of the centerline of the P.T.O. should be 8" Refer to figure at right.
2. Hitch the 2800 BALEBUSTER to the 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, 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.

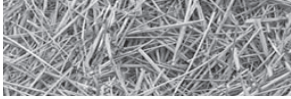




16. Attach the P.T.O. shaft to the tractor P.T.O. shaft. Depress coupling and slide the coupling onto the splined shaft. Make sure the spring loaded safety catch is properly seated.
17. Bolt hose minders to #7500170 to Bearing Bracket use, (1) 1/2x1-1/2 bolts, flatwasher, lockwasher, nut.
18. If required, 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





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**.

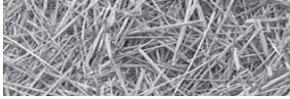
Check the following:

- ☐ 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.

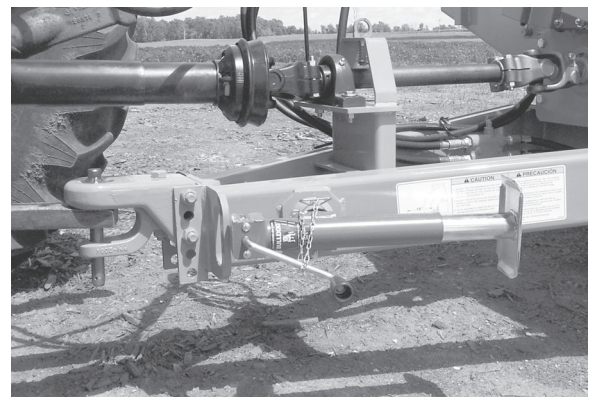
- a. Disengage P.T.O..
- b. Lower machine to ground level.
- c. Place transmission in park or set park brake.
- d. Shut off engine and remove key.
- e. Wait for all movement to stop.

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.

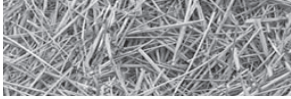
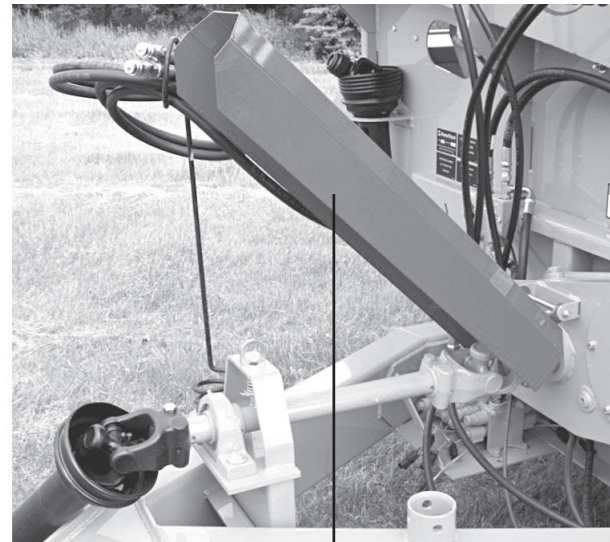


figure 3.1
P.T.O. shield, working
(lowered) position,
latched maintenance
(raised) position.



P.T.O. shield hold
down latch

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



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

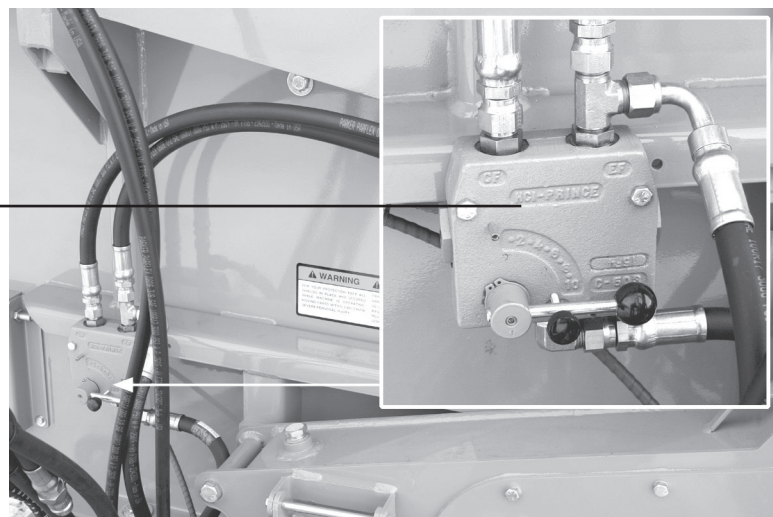
3.3.3 Conveyor Speed Control

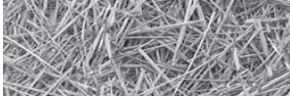
Moving the lever on the conveyor speed control valve counterclockwise will slow the conveyor and make a finer product. Moving the lever clockwise will speed up the conveyor and make a coarser product.

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

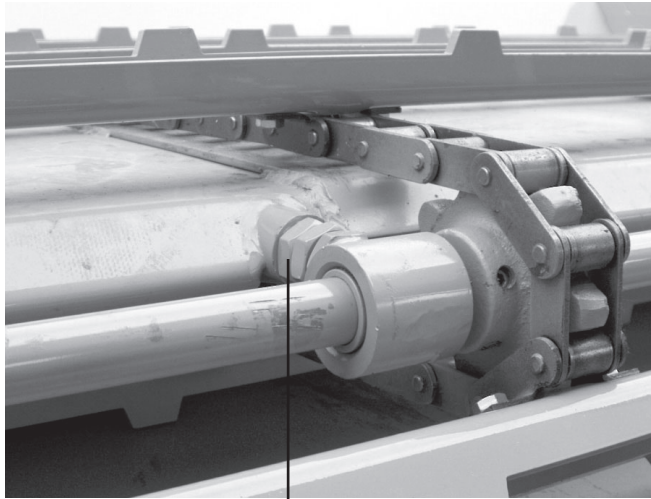
flow control valve
with valve in the full
open position



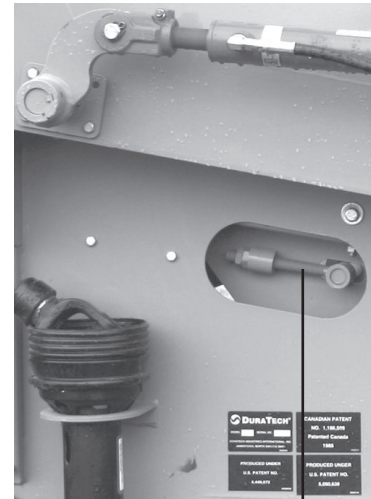


3.3.4 Conveyor Chain Adjustment

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



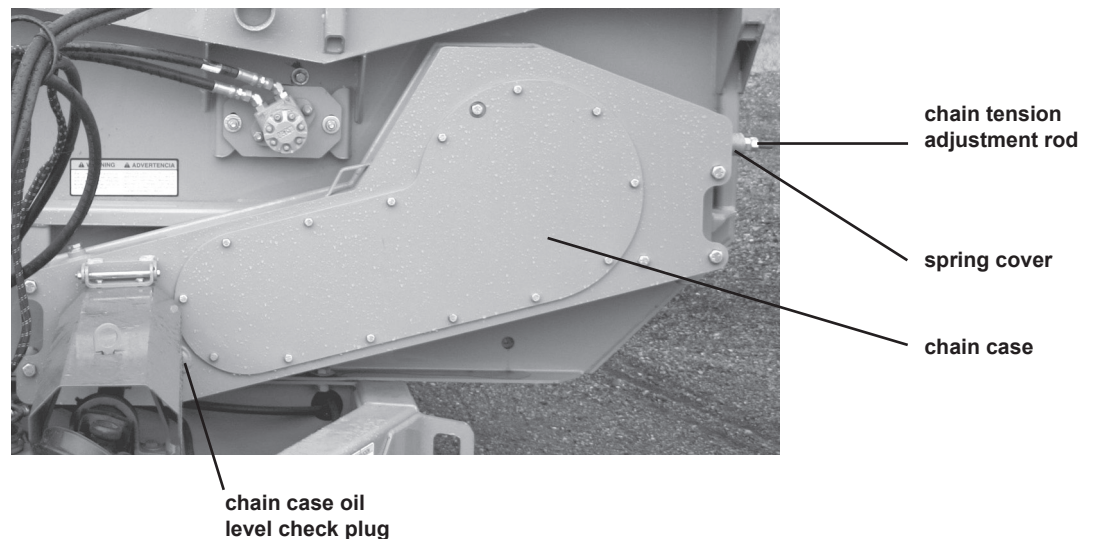
left conveyor chain
adjustment bolt

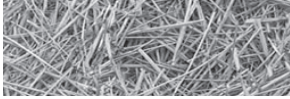
3.3.5 Chain Case Adjustments.

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.

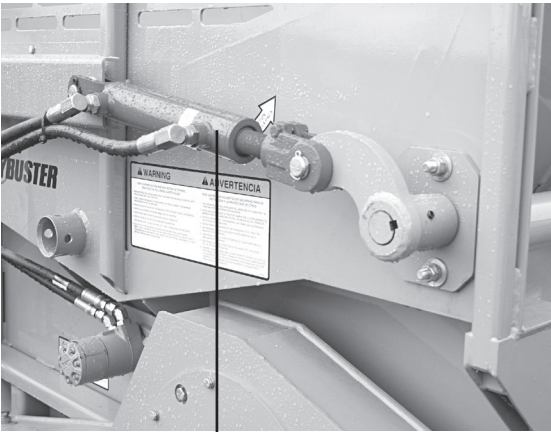
figure 3.3
chain case adjustments





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.

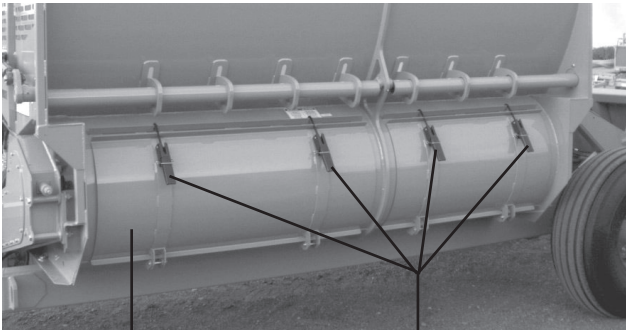
3.3.7 Clean Out Door



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.

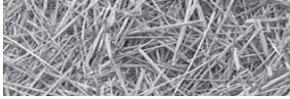
The clean out doors allows for easy access to the rotor for flail changes and twine removal. To open the doors, remove the lynch pins and release the latches. Lift the latch hooks and open the doors.

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

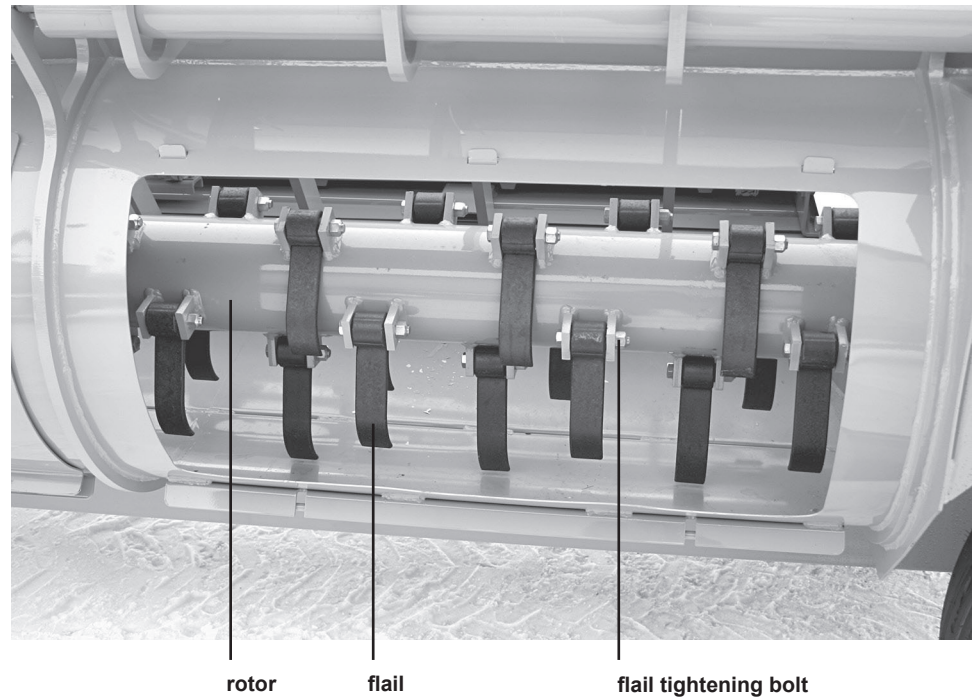
clean out
door latches



3.3.8 Flails

Flails must to be free to rotate about the bushings on the rotor. The bushings must not rotate. The bushings are held secure by tightening the bolts which squeeze the tabs against the bushing. Bolts should be torqued to 156 Ft lbs (211.5 Nm).

figure 3.4
rotor, flails and flail
tightening bolt

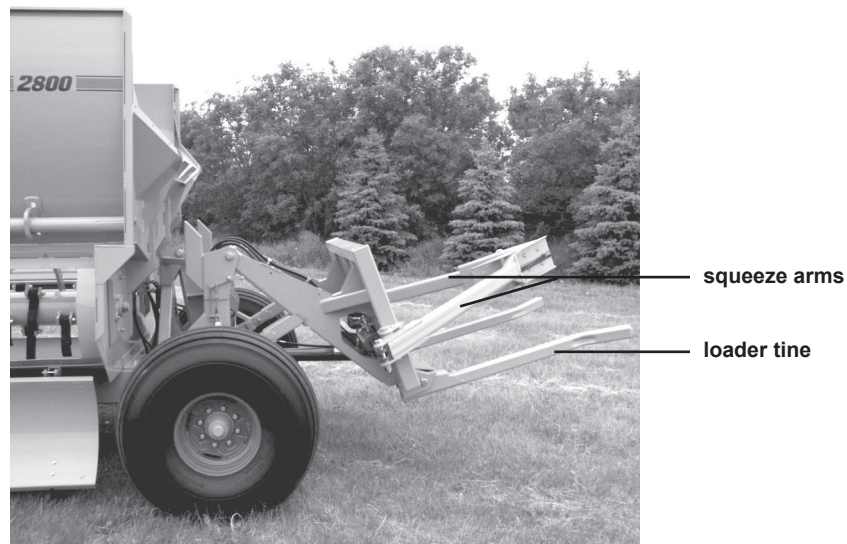


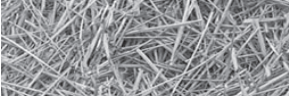
3.3.9 Loader



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

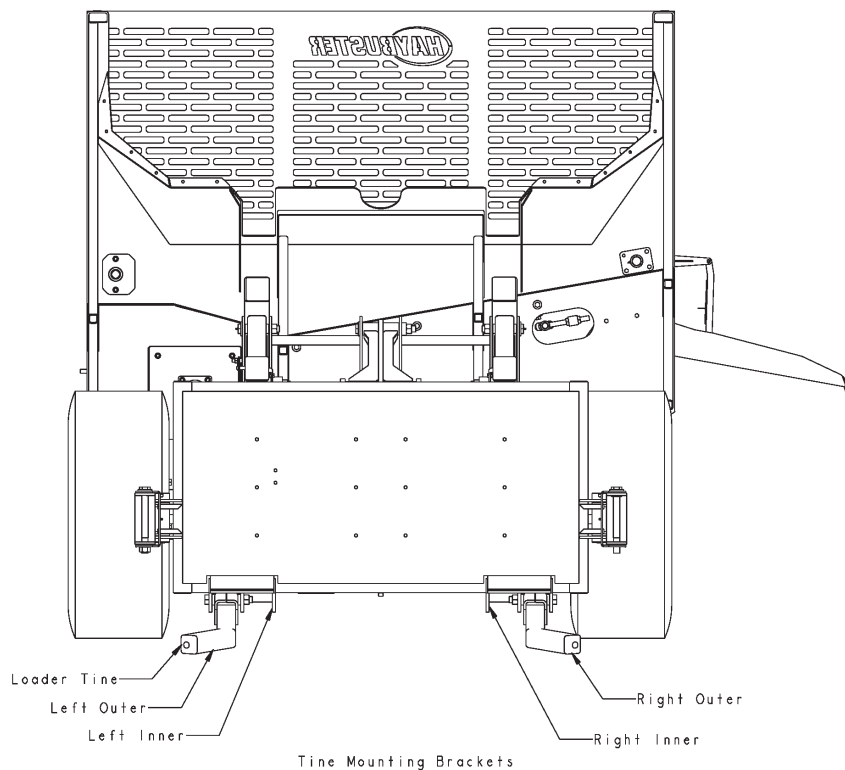


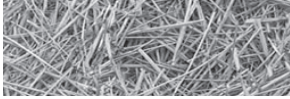


1. The loader has three settings for different size round bales:
(Note: Left and right are determined while facing in the direction of travel)
 - A. 48" diameter round bales use the left inner and right inner mounting slots.
 - B. 60" diameter round bales use the left outer and the right inner mounting 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.

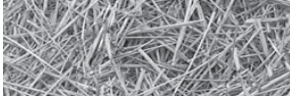


WARNING: Hydraulic fluid escaping under pressure can be almost invisible and can have sufficient force to penetrate the skin. When searching for suspected leaks, use a piece of wood or cardboard rather than your hands. If injured seek qualified medical attention immediately to prevent serious infection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

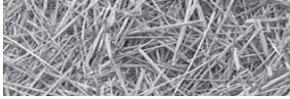
The deflector can be positioned for creating a windrow, spreading, bunk feeding, or stockpiling. Lower the deflector for a narrower windrow and raise for a wider spread.

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

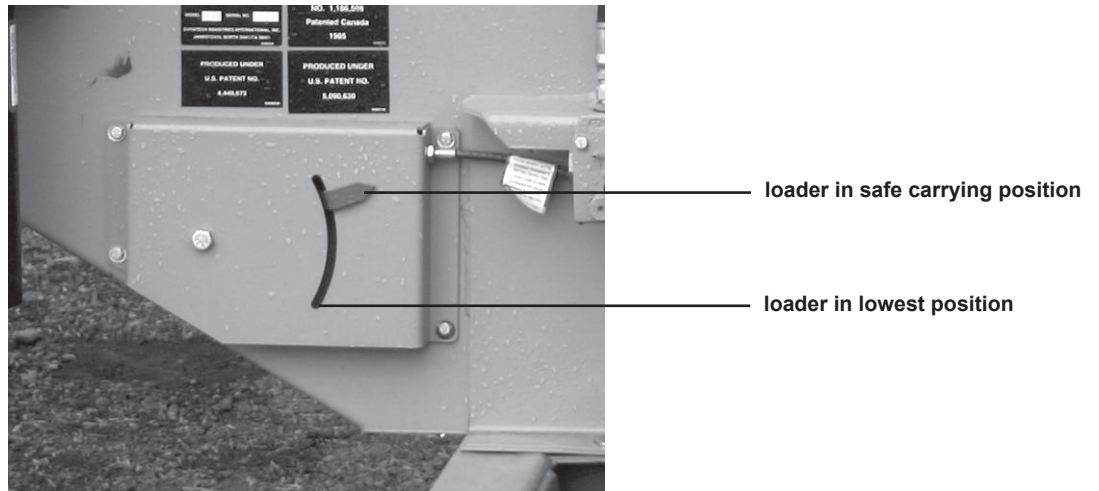


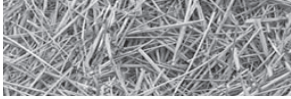


3.3.15 Loader Indicator

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.

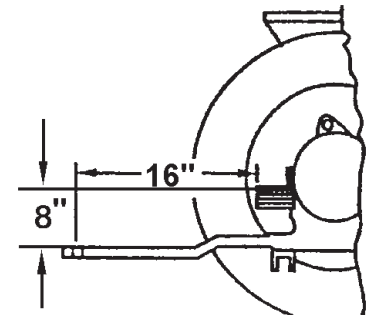
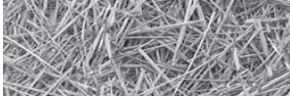


figure 3.8
safe P.T.O. distance

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.



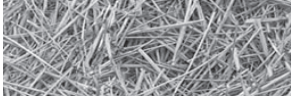
WARNING: Never stand under loader when flipping transport stops. Do not attempt to force stops out, with the loader fully raised they can easily rotate.

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.

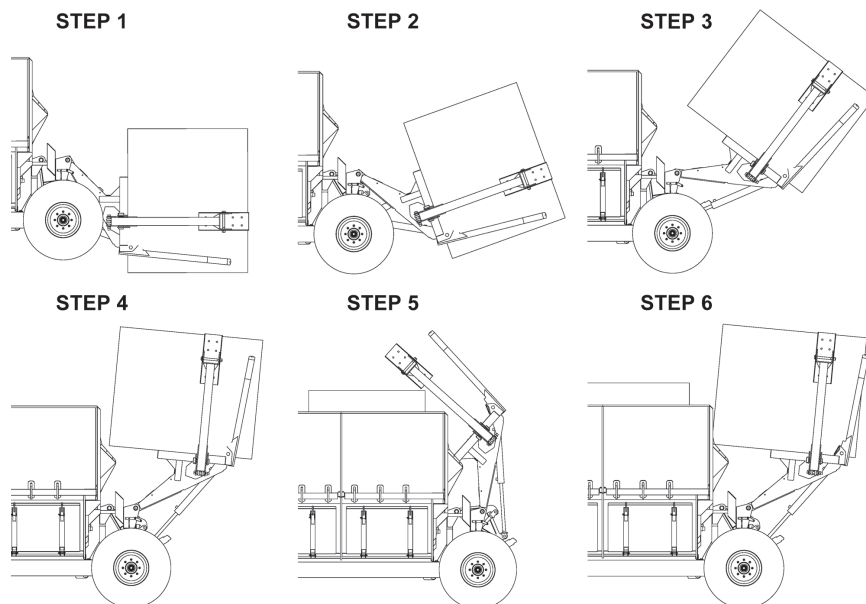


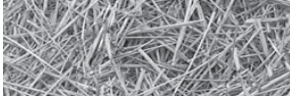
Note: If bale does not rotate the twine may be over the tine. Cut twine at this time to prevent damage to the machine.

- 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

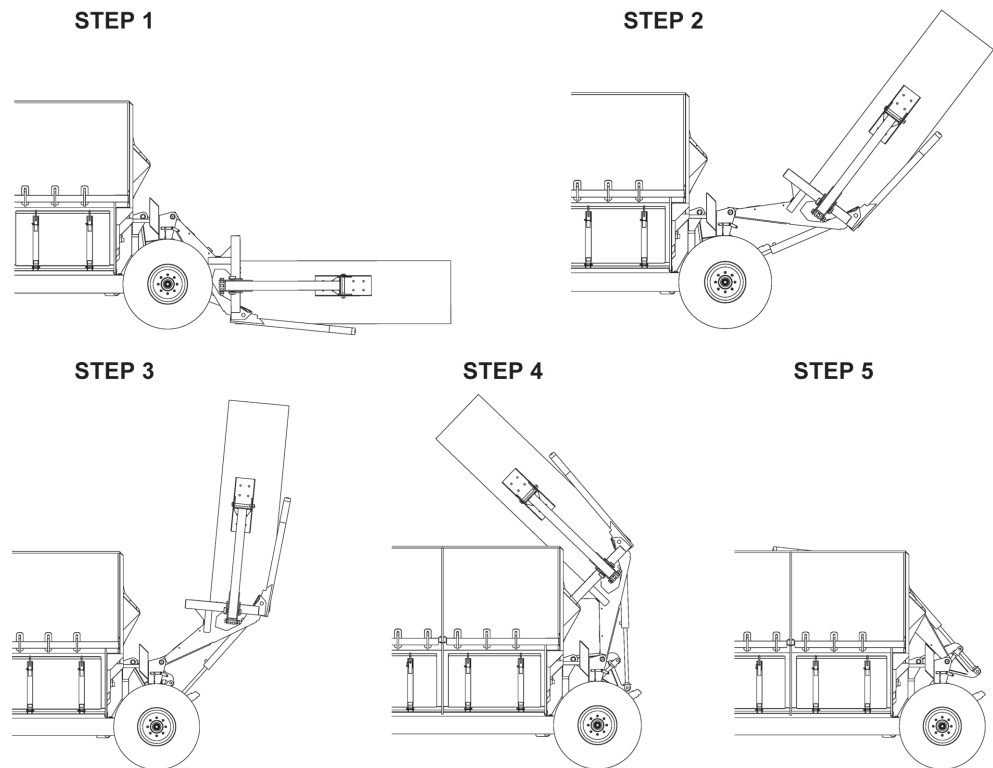
The bale conveyor must not be running when a bale is lifted into the shredding chamber. (Steps 3-6), dropping bales on to the moving conveyor slats may bend slates.

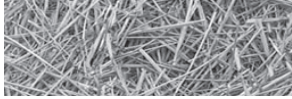
- Step 1:** Lower the bale loader to its lowest position. Back up to the bale until it is against the loader table.
- Step 2:** Apply the squeeze arms to the bale.
- Step 3-5:** Slowly lift the bale into the shredding chamber. Continue lifting the bale loader until it stops.
- Step 6:** Once the bale 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.

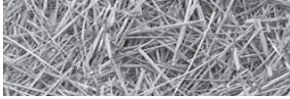


DANGER: If it is necessary to transport a second bale over uneven terrain, make sure any bystanders are away from the 2800 BALEBUSTER. Serious injury or death could result if the bale rolls off the main frame loader supports.

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

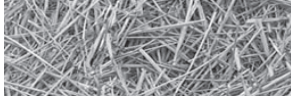
This machine is designed to fold for ease of transportation and storage. The deflector raises to decrease transport width.



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.

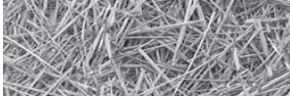
To prepare the 2800 BALEBUSTER for storage, perform the following steps:

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.

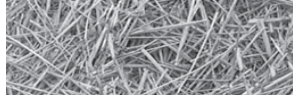
Valves on the 2800 Balebuster are protected with a one way check valve to ensure proper function.

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.

Points of Lubrication	No. of locations	How often to Lubricate
1. Rotor Bearings	2	10 hours
2. PTO Universal Joints	3	50 hours
3. Telescoping Shafts	1	50 hours
3a. Telescoping members		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 ensure smooth operation.
3b. Shield components		Shield components should be lubed and inspected to ensure 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	10 hours
5. Chain Case Oil Level		50 hours (See Section 3.35)
6. PTO Stand	1	50 hours
7. Deflector Ends	2	50 hours
8. Squeeze Arms	2	50 hours
9. Loader	4	50 hours
10. <u>Slugbar</u> Cam	1	50 hours
11. Chain Case	2	50 hours

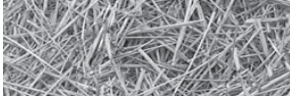


figure 4.1
P.T.O. lubrication

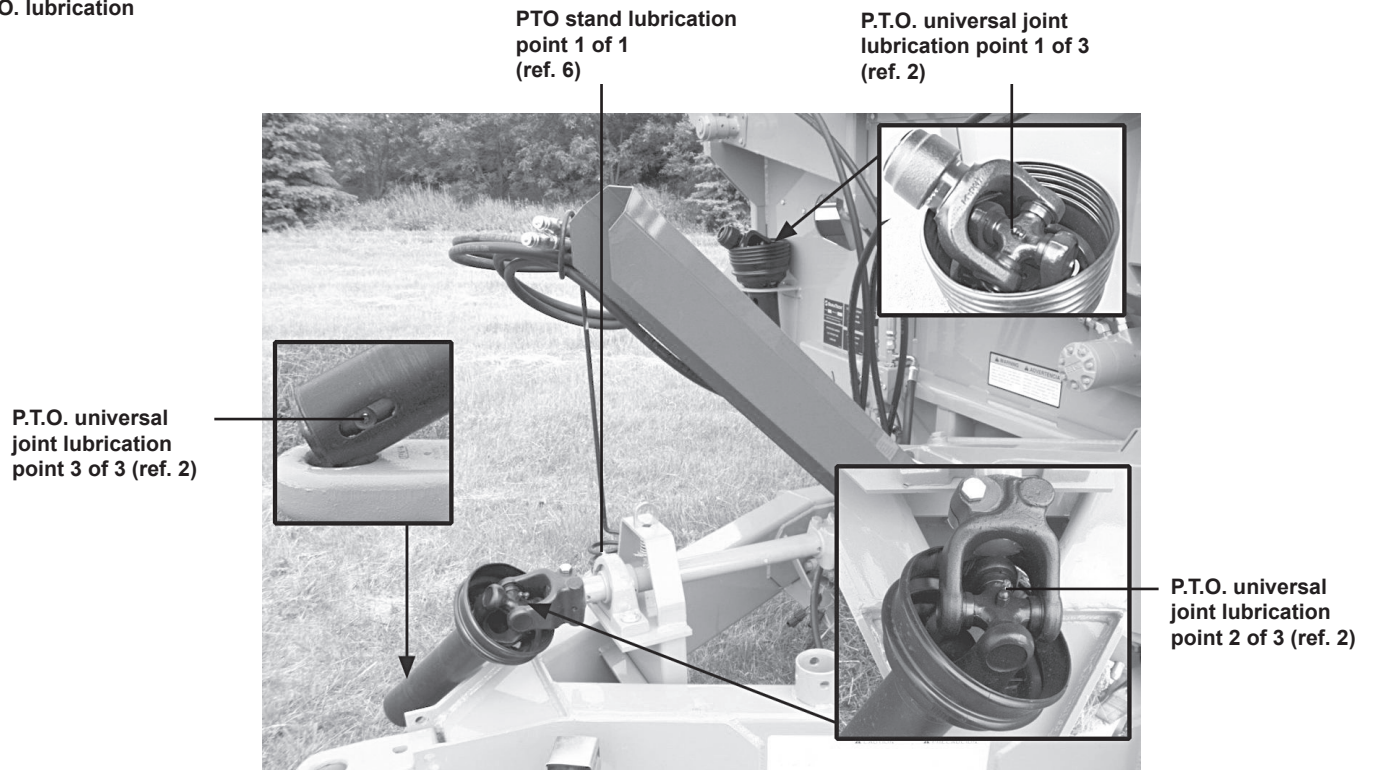
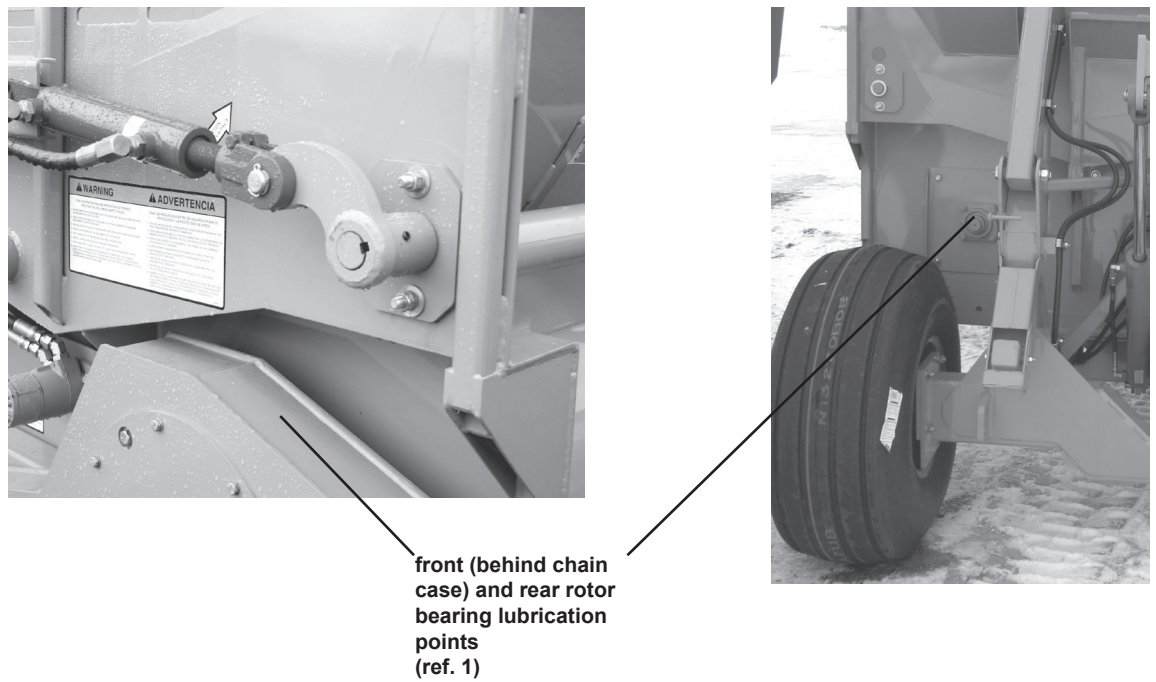


figure 4.2
rotor bearing lubrication



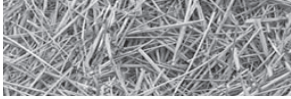
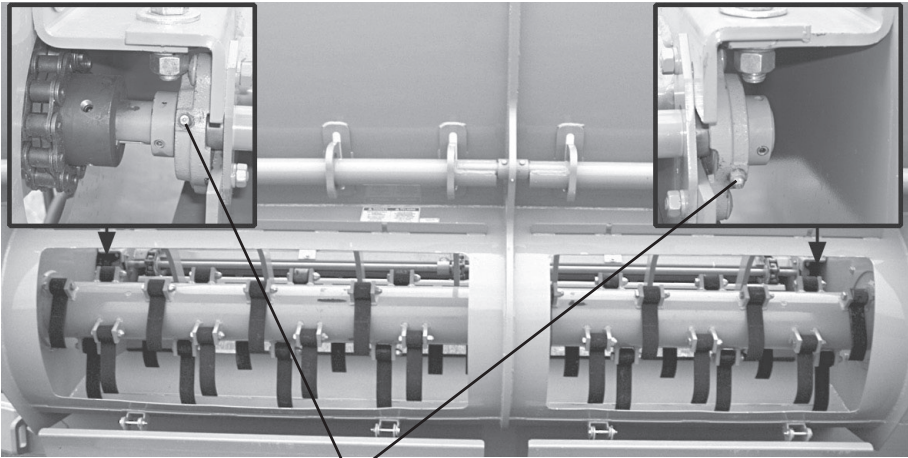


figure 4.3
bale conveyor bearing
lubrication



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

figure 4.4
telescoping shaft
lubrication

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

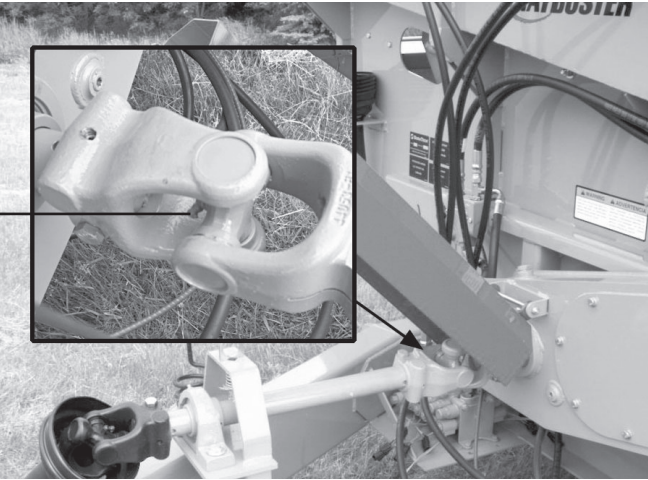


figure 4.5
loader lubrication



**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)

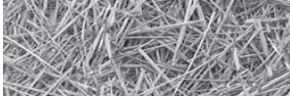
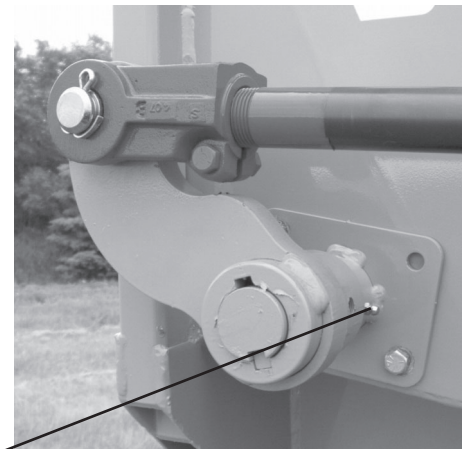
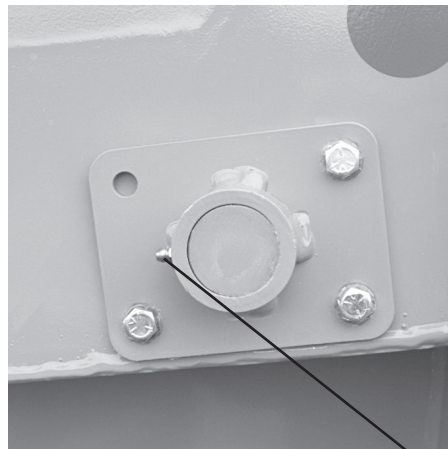
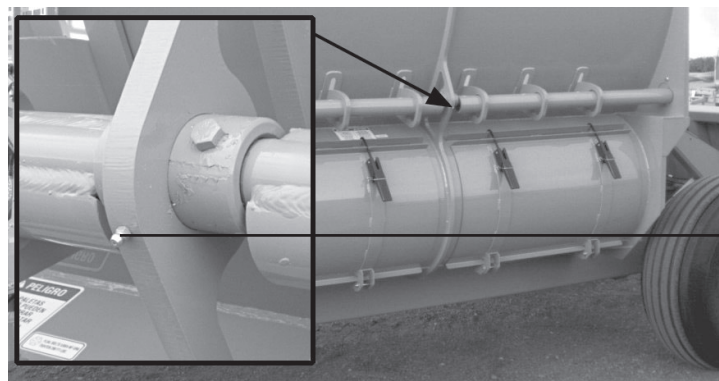


figure 4.6
deflector lubrication



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)

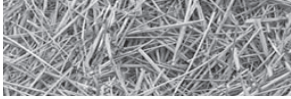


figure 4.4
roller chain lubrication



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

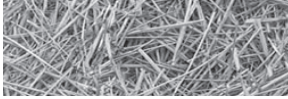
4.2 Cleaning of rear pivot area

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.



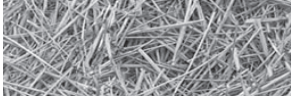
4.3 General appearance

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:



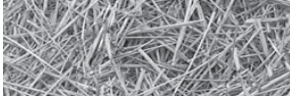
Note: Do not ground the welder to electrical components listed above, sensors, or wiring. Improper grounding can also damage bearings or hydraulic components. Clamp the ground cable from the welder to the part that will be welded. Place the clamp as close to the weld. This will help reduce the possibility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

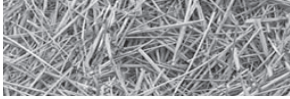
All claims for warranty must be made through the dealer which originally sold the product and all warranty adjustments must be made through same.

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.

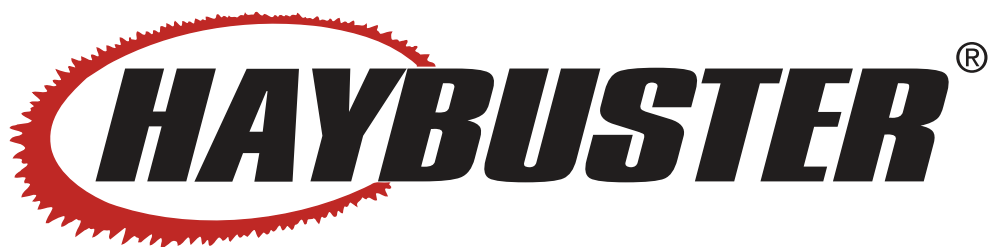
All other warranties made with respect to this product, either expressed or implied, are hereby disclaimed by DuraTech Industries International



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)



2800™ BALEBUSTER

Parts Reference

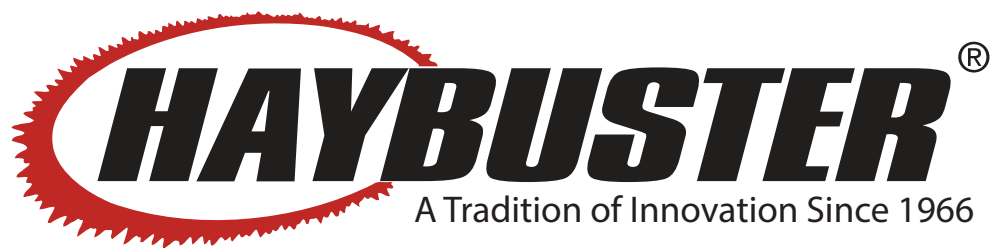


DuraTech Industries International Inc. (DuraTech Industries) has made every effort to assure that this manual completely and accurately describes the operation and maintenance of the 2800 BALEBUSTER™ as of the date of publication. DuraTech Industries reserves the right to make updates to the machine from time to time. Even in the event of such updates, you should still find this manual to be appropriate for the safe operation and maintenance of your unit.

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

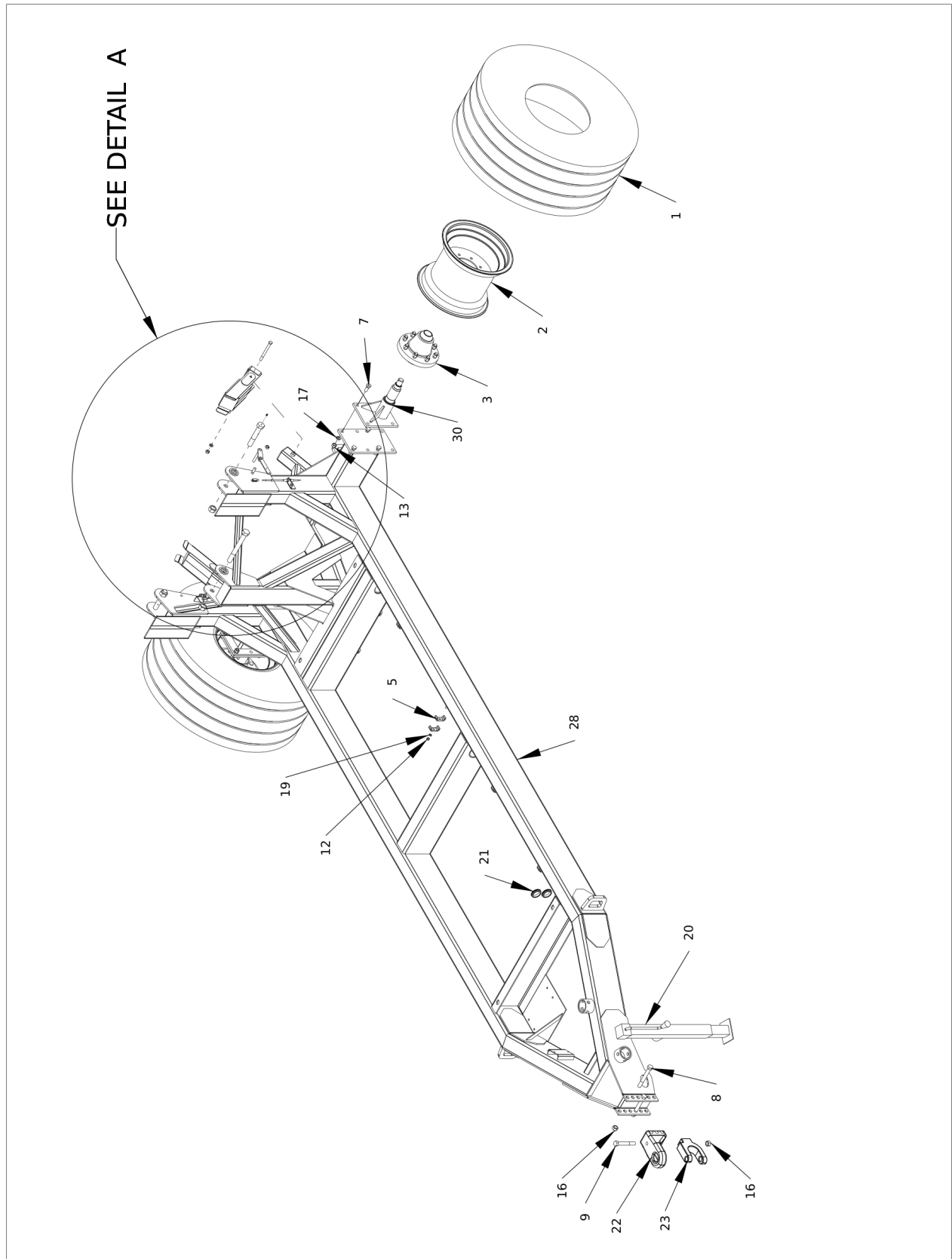
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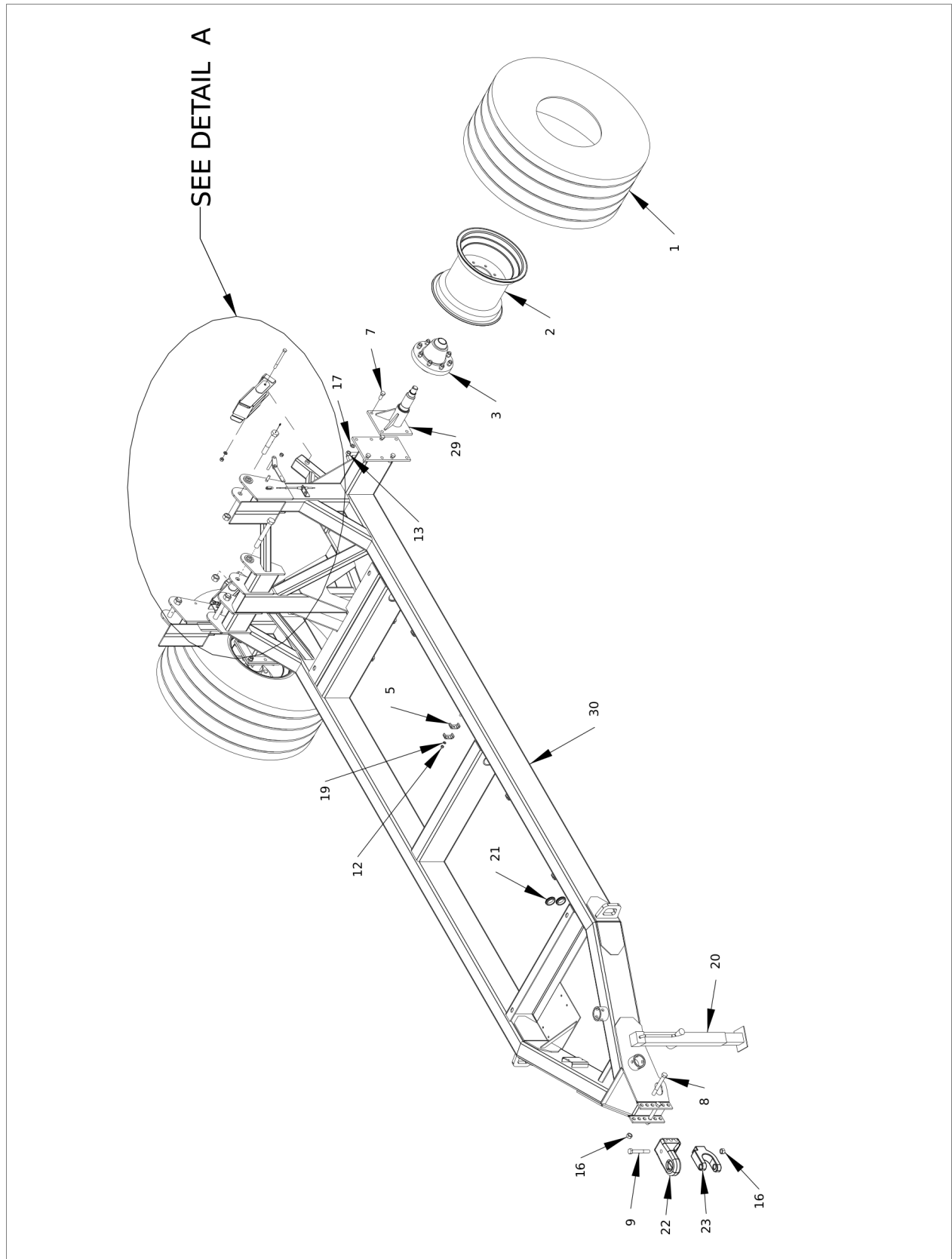
2800 Balebuster Parts Reference

2800 Mainframe Assembly (for SN Up to 0218)	1
2800 Mainframe Assembly (For SN 0219 and Up)	3
2800 Mainframe Assembly-Detail A (for SN 0219 & Up)	5
2800 Shredder Assembly (SN Up to 0098)	7
2800 Shredder Assembly (for Sn 0099 and Up)	11
2800 Shredder Assembly-Detail A and B (for SN 0099 and Up)	15
2800 Slugbar Assembly	19
2800 Rotor Assembly (SN up to 0098)	21
2800 Rotor Assembly (for SN 0099 to 0268)	23
2800 Rotor Assembly (Sn 0269 and Up)	25
2800 Conveyor Assembly (SN up to 0098)	27
2800 Conveyor Assembly (SN 0099 thru 0288)	29
2800 Conveyor Assembly (Sn 0289 and Up)	33
2800 Loader Assembly (SN thru 0218)	35
2800 Loader Assembly (Sn 0219 and Up)	37
2800 Driveline Assembly	39
2800 Drive Assembly (SN up to 0098)	41
2800 Drive Assembly (SN 0099 to 0288)	43
2800 Drive Assembly (Sn 0289 and Up)	47
2800 Deflector Assembly	51
2800 Tail lights and SMV Sign (thru SN 0268)	53
2800 Taillights, SMV Sign (SN 0269 thru 0308)	55
2800 Taillights, SMV Sign and Speed Indicator (For SN 309 & Up)	57
Wheels and Hubs	59
3600459 PTO Assembly	61
3900025 Orbit Motor Assembly	63
2800 Hydraulic Cylinder Assembly	65
4000331-Flow Control Valve	67
4000343 Hydraulic Valve	69
2800 Hydraulic Assembly (for SN Up to 0038)	71
2800 Hydraulic Assembly (Sn 0039 and Up)	81
2800 Optional Stripper Plate (Up to SN 0291)	89
2800 Control Panel Assembly (SN up to 0198)	91
5701050-Control Box (for SN 0199 and up)	93
2800 Decals	95
2800 Decal Locations	97
2800 Decal Locations	98
2800 Decal Locations	99
2800 Decal Locations	100
2800 Decal Locations	101
2800 Optional Stripper Plate Installation (Up to SN 0291)	102
2800 Tractor/Implement Wiring Harness	103
5701079 - Shredder Taillight Schematic	104
5700686 Optional Power Harness Schematic	105
5700686 Tractor Auxiliary Power Harness	106
5700686-Hyd Valve Hose and Wire Layout (For SN up to 0038)	107
5700686-Hyd Valve Hose and Wire Layout (For SN 0039 to 0218)	108
5700686-Hyd Valve Hose and Wire Layout (For SN 0219 and Up)	109
2800 Hydraulic Schematic (for sn up to 0038)	110
2800 Hydraulic Schematic (for sn 0039 and up)	111



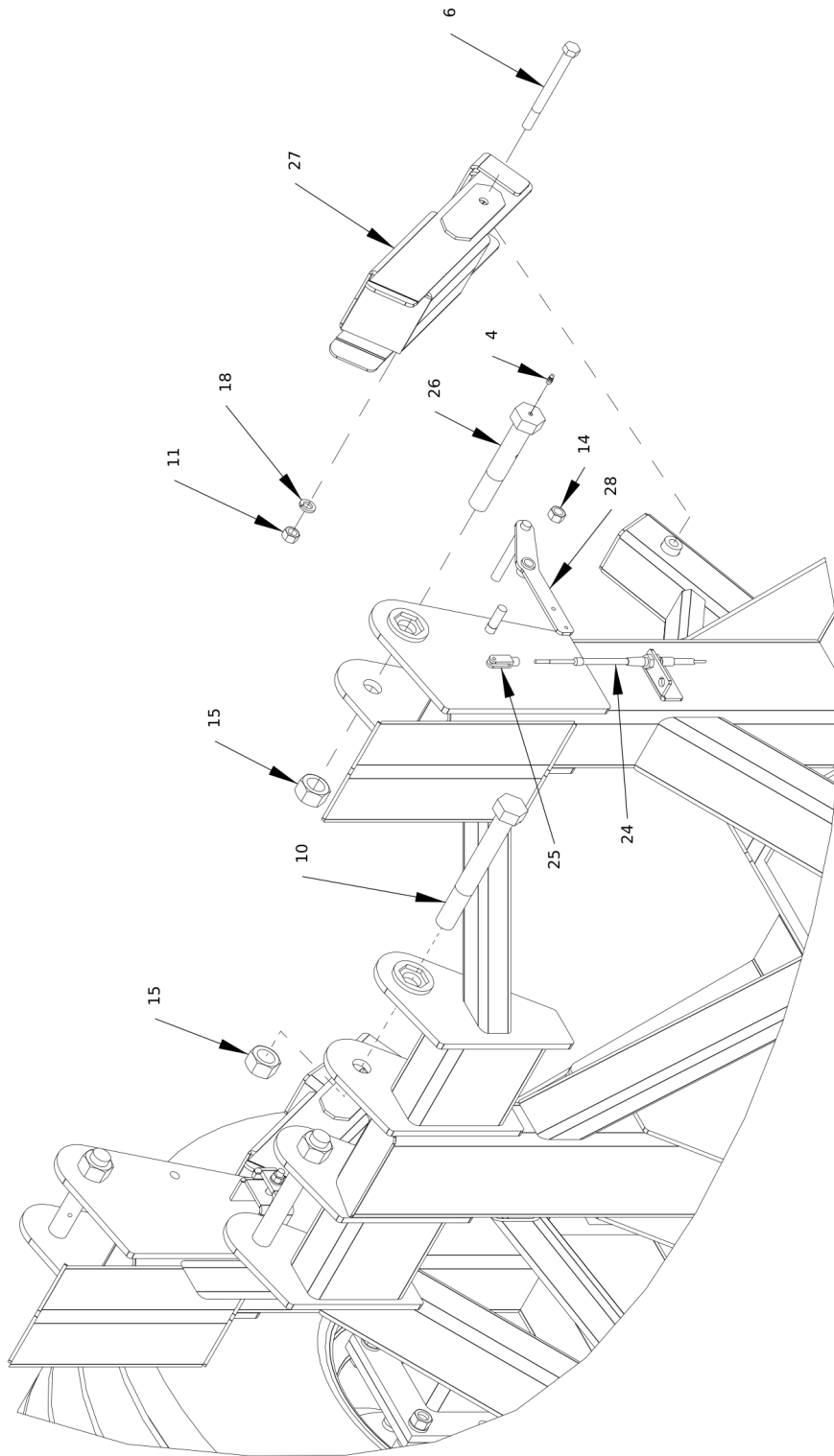
2800 Mainframe Assembly (for SN Up to 0218)

Item	Part No.	Name	Remarks	Qty	Uom
1	2600053	TIRE\16.5LX16.1SL\14PLY		2	EA.
2	2600649	WHL\8-BOLT\16.1X14C\8K		2	EA.
CA	2600861	WHL\ASSY\16.5SLX16.1X14PLY8BOLT-WHL\16.1X14\3/8POS	(Includes #1 and #2)		EA.
3	2900140	HUB\ASSY\H817\8BOLT\8"B.C.\6"PILOT		2	EA.
4	3800082	FTG\LUB\1/4NFXZERK\ADAPT		2	EA.
5	4700776	CLMP\HOSE\3/8		11	EA.
6	4800077	BOLT\HEX\1/2X5-1/2		2	EA.
7	4800106	BOLT\HEX\5/8X1-1/2		8	EA.
8	4800248	BOLT\HEX\3/4X6		2	EA.
9	4800562	BOLT\HEX\3/4X5\GR8\NC		1	EA.
10	4800601	BOLT\HEX\1X9\NC		1	EA.
11	4900001	NUT\HEX\1/2\NC		2	EA.
12	4900002	NUT\HEX\3/8\NC		7	EA.
13	4900005	NUT\HEX\5/8\NC		8	EA.
14	4900014	NUT\TPLCK\1/2\NC		1	EA.
15	4900127	NUT\TPLCK\1\NC		3	EA.
16	4900139	NUT\TPLCK\3/4\GR8\NC		3	EA.
17	5000003	WASH\LOCK\5/8		8	EA.
18	5000006	WASH\LOCK\1/2		2	EA.
19	5000019	WASH\LOCK\3/8		7	EA.
20	5800627	JACK\5000LB\SWIVEL-STYLE		1	EA.
20A	5800623	JACK\5000LB\SWIVEL-STYLE>	(for Serial Number #1-#30)	1	EA.
21	7500360	GRMT\RBRR\2X1.75IDX1/4T		2	EA.
22	7501047	HITCH\BASE\#3\PP\1"PIN		1	EA.
23	7501048	HITCH\CLEVIS\PP\1"PIN		1	EA.
24	7501136	CBL\PSH/PULL\VLD\216"LG		1	EA.
25	7501137	CLEVIS\3/16PIN\10-32ROD		1	EA.
26	8101352	BOLT\HEX\1X6\GREASE		2	EA.
27	8101366	STOP\LDRI\2800		2	EA.
28	8101367	MNFRM\2800		1	EA.
29	8101391	LVR\LDRI\INDCTR		1	EA.
30	8101600	SPNDL\2800		2	EA.
NS	1100275	CHAIN\1/4\SFTY\AG\11000LB		1	EA.
NS	4800382	BOLT\HEX\3/4X6-1/2		1	EA.
NS	5000005	WASH\FLAT\3/4		1	EA.
NS	5000030	WASH\FLAT\13/16\2OD\1/4T		1	EA.
NS	6100065	SPG\CLUTCH\5.0D\0.055WD3.2LOH		1	EA.



2800 Mainframe Assembly (For SN 0219 and Up)

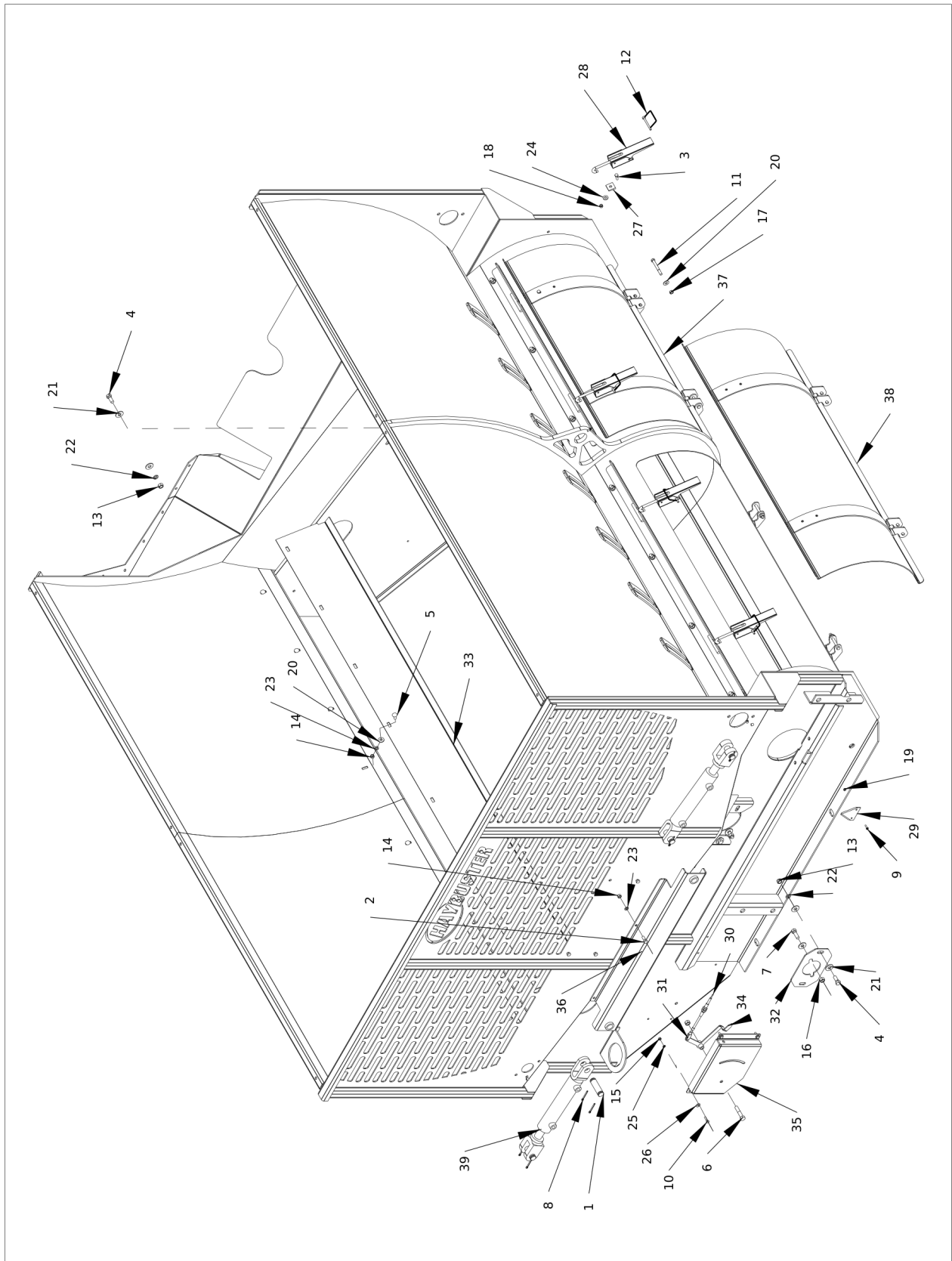
Item	Part No.	Name	Remarks	Qty	Uom
1	2600053	TIRE\16.5LX16.1SL\14PLY		2	EA.
2	2600649	WHL\8-BOLT\16.1X14C\8K		2	EA.
CA	2600861	WHL\ASSY\16.5SLX16.1X14PLY8BOLT-WHL\16.1X14\3/8POS	(Includes Items #1 and #2)		EA.
3	2900140	HUB\ASSY\H817\8BOLT\8"B.C.\6"PILOT		2	EA.
4	3800082	FTG\LUB\1/4NFXZERK\ADAPT		2	EA.
5	4700776	CLMP\HOSE\3/8		11	EA.
6	4800077	BOLT\HEX\1/2X5-1/2		2	EA.
7	4800106	BOLT\HEX\5/8X1-1/2		8	EA.
8	4800248	BOLT\HEX\3/4X6		2	EA.
9	4800562	BOLT\HEX\3/4X5\GR8\NC		1	EA.
10	4800632	BOLT\HEX\1X8\NC\GR5\PLT		2	EA.
11	4900001	NUT\HEX\1/2\NC		2	EA.
12	4900002	NUT\HEX\3/8\NC		7	EA.
13	4900005	NUT\HEX\5/8\NC		8	EA.
14	4900014	NUT\TPLCK\1/2\NC		1	EA.
15	4900127	NUT\TPLCK\1\NC		4	EA.
16	4900139	NUT\TPLCK\3/4\GR8\NC		3	EA.
17	5000003	WASH\LOCK\5/8		8	EA.
18	5000006	WASH\LOCK\1/2		2	EA.
19	5000019	WASH\LOCK\3/8		7	EA.
20	5800627	JACK\5000LB\SWIVEL-STYLE		1	EA.
21	7500360	GRMT\RBRR\2X1.75IDX1/4T		2	EA.
22	7501047	HITCH\BASE\#3\PP\1"PIN		1	EA.
23	7501048	HITCH\CLEVIS\PP\1"PIN		1	EA.
24	7501136	CBL\PSH/PULL\VLD\216"LG		1	EA.
25	7501137	CLEVIS\3/16PIN\10-32ROD		1	EA.
26	8101352	BOLT\HEX\1X6\GREASE		2	EA.
27	8101366	STOP\LDRI\2800		2	EA.
28	8101391	LVR\LDRI\INDCTR		1	EA.
29	8101600	SPNDL\2800		2	EA.
30	8102105	MNFRM\2800\5-PIN-LINK		1	EA.
NS	1100275	CHAIN\1/4\SFTY\AG\11000LB		1	EA.
NS	4800382	BOLT\HEX\3/4X6-1/2		1	EA.
NS	5000005	WASH\FLAT\3/4		1	EA.
NS	5000030	WASH\FLAT\13/16\2OD\1/4T		1	EA.
NS	6100065	SPG\CLUTCH\5.0D\0.055WD3.2LOH		1	EA.



DETAIL A

2800 Mainframe Assembly-Detail A (for SN 0219 & Up)

Item	Part No.	Name	Remarks	Qty	Uom
1	2600053	TIRE\16.5LX16.1SL\14PLY		2	EA.
2	2600649	WHL\8-BOLT\16.1X14C\8K		2	EA.
CA	2600861	WHL\ASSY\16.5SLX16.1X14PLY8BOLT-WHL\16.1X14\3/8POS	(includes #1 and #2)		EA.
3	2900140	HUB\ASSY\H817\8BOLT\8"B.C.\6"PILOT		2	EA.
4	3800082	FTG\LUB\1/4NFXZERK\ADAPT		2	EA.
5	4700776	CLMP\HOSE\3/8		11	EA.
6	4800077	BOLT\HEX\1/2X5-1/2		2	EA.
7	4800106	BOLT\HEX\5/8X1-1/2		8	EA.
8	4800248	BOLT\HEX\3/4X6		2	EA.
9	4800562	BOLT\HEX\3/4X5\GR8\NC		1	EA.
10	4800632	BOLT\HEX\1X8\NC\GR5\PLT		2	EA.
11	4900001	NUT\HEX\1/2\NC		2	EA.
12	4900002	NUT\HEX\3/8\NC		7	EA.
13	4900005	NUT\HEX\5/8\NC		8	EA.
14	4900014	NUT\TPLCK\1/2\NC		1	EA.
15	4900127	NUT\TPLCK\1\NC		4	EA.
16	4900139	NUT\TPLCK\3/4\GR8\NC		3	EA.
17	5000003	WASH\LOCK\5/8		8	EA.
18	5000006	WASH\LOCK\1/2		2	EA.
19	5000019	WASH\LOCK\3/8		7	EA.
20	5800627	JACK\5000LB\SWIVEL-STYLE		1	EA.
21	7500360	GRMT\RBRR\2X1.75IDX1/4T		2	EA.
22	7501047	HITCH\BASE\#3PPI\1"PIN		1	EA.
23	7501048	HITCH\CLEVIS\PPI\1"PIN		1	EA.
24	7501136	CBL\PSH/PULL\VLD\216"LG		1	EA.
25	7501137	CLEVIS\3/16PIN\10-32ROD		1	EA.
26	8101352	BOLT\HEX\1X6\GREASE		2	EA.
27	8101366	STOP\LDRI\2800		2	EA.
28	8101391	LVR\LDRI\INDCTR		1	EA.
29	8101600	SPNDL\2800		2	EA.
30	8102105	MNFRM\2800\5-PIN-LINK		1	EA.
NS	1100275	CHAIN\1/4\SFTY\AG\11000LB		1	EA.
NS	4800382	BOLT\HEX\3/4X6-1/2		1	EA.
NS	5000005	WASH\FLAT\3/4		1	EA.
NS	5000030	WASH\FLAT\13/16\2OD\1/4T		1	EA.
NS	6100065	SPG\CLUTCH\5.0D\0.055WD3.2LOH		1	EA.



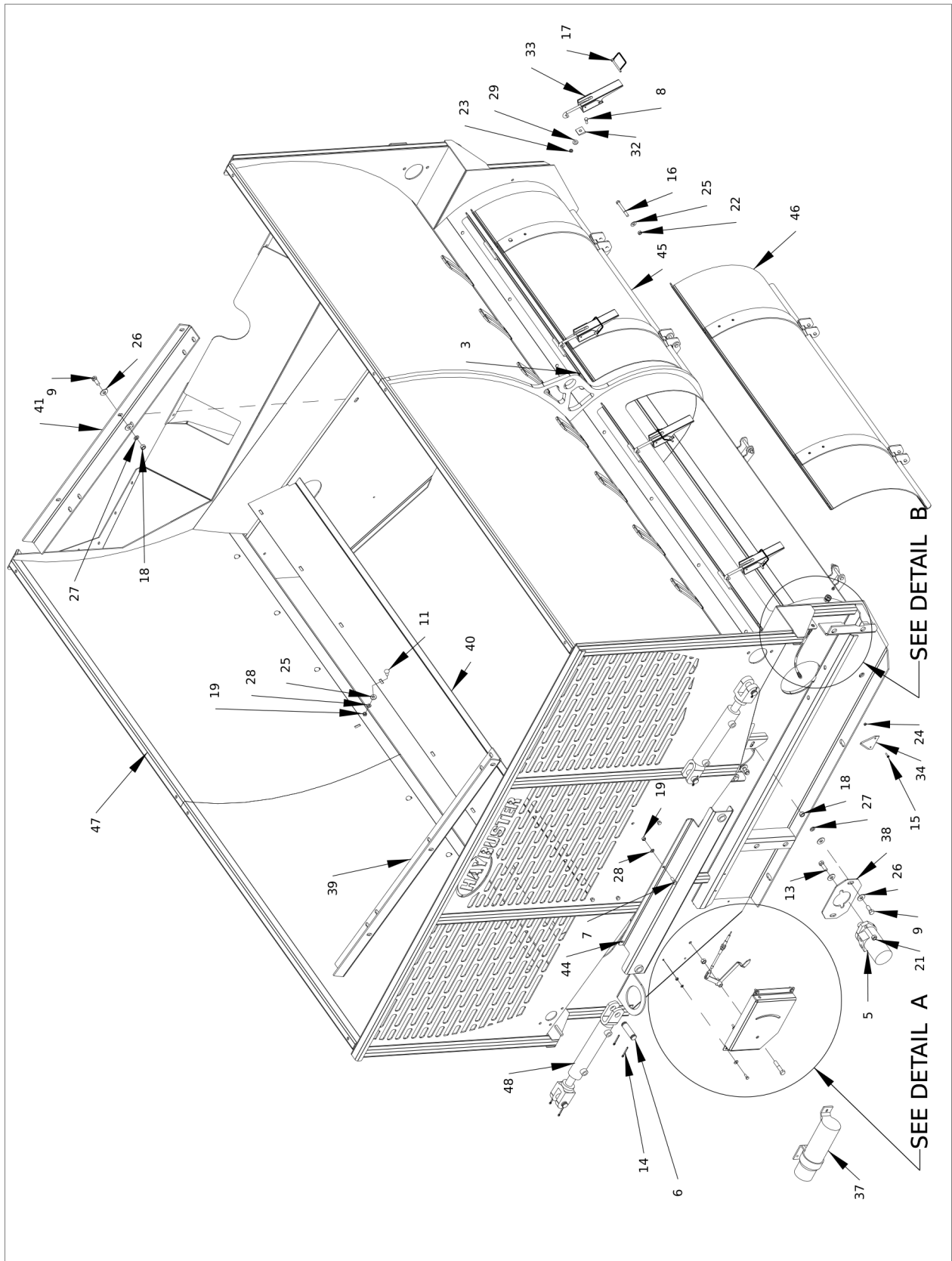
2800 Shredder Assembly (SN Up to 0098)

Item	Part No.	Name	Remarks	Qty	Uom
1	4100030	PIN 1" X 3-1/2" HYD. CYL.		4	EA.
2	4800003	BOLT\HEX\3/8X1		4	EA.
3	4800013	BOLT\HEX\5/16X1		8	EA.
4	4800018	BOLT\HEX\1/2X1-1/4		8	EA.
5	4800053	BOLT\CRG\3/8X1\NC		8	EA.
6	4800070	BOLT\HEX\1/2X2-1/2		1	EA.
7	4800082	BOLT\HEX\1/2X1-1/2		2	EA.
8	4800120	PIN\COT\3/16X1-3/4		8	EA.
9	4800220	SCR\RD\SLOT\#10-24X3/4\NC		2	EA.
10	4800277	BOLT\HEX\1/4X1		4	EA.
11	4800515	BOLT\HEX\3/8X3-1/4\NC		4	EA.
12	4800911	PIN\LYNCH\1/4X2-1/2\		4	EA.
13	4900001	NUT\HEX\1/2\NC		7	EA.
14	4900002	NUT\HEX\3/8\NC		12	EA.
15	4900009	NUT\HEX\1/4\NC		4	EA.
16	4900014	NUT\TPLCK\1/2\NC		3	EA.
17	4900023	NUT\TPLCK\3/8\NC		4	EA.
18	4900142	NUT\TPLCK\5/16\NC		8	EA.
19	4900146	NUT\TPLCK\#12\NC		2	EA.
20	5000001	WASH\FLAT\3/8		12	EA.
21	5000004	WASH\FLAT\1/2		19	EA.
22	5000006	WASH\LOCK\1/2		7	EA.
23	5000019	WASH\LOCK\3/8		12	EA.
24	5000023	WASH\FLAT\5/16		8	EA.
25	5000024	WASH\LOCK\1/4		4	EA.
26	5000035	WASH\FLAT\1/4		4	EA.
27	5000132	WASH\BEVELED\SQ\3/8		4	EA.
28	7501045	LATCH\ADJ\OTC\4" GRIP		4	EA.
29	7501050	PLATE\SICKLE		1	EA.
30	7501136	CBL\PSH/PULL\VLD\216"LG		1	EA.
31	7501137	CLEVIS\3/16PIN\10-32ROD		1	EA.
32	8100036	MNT\MTR\HYD		1	EA.
33	8101359	SH\SHRDR\FLLR		1	EA.
34	8101392	NEEDLE\IND\LDR		1	EA.
35	8101393	INDCTR\LDR\FRNT		1	EA.
36	8101608	MNT\CYL\DFCLTR		1	EA.
37	8101612	CVR\CLEANOUT		1	EA.
38	8101613	CVR\CLEANOUT		1	EA.

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2800 Shredder Assembly (SN Up to 0098)

Item	Part No.	Name	Remarks	Qty	Uom
39	4100226	CYL\HYD\2X8\1-1/4RD\WELDED\#8ORB\INLINE W_PIN\CTD		2	EA.



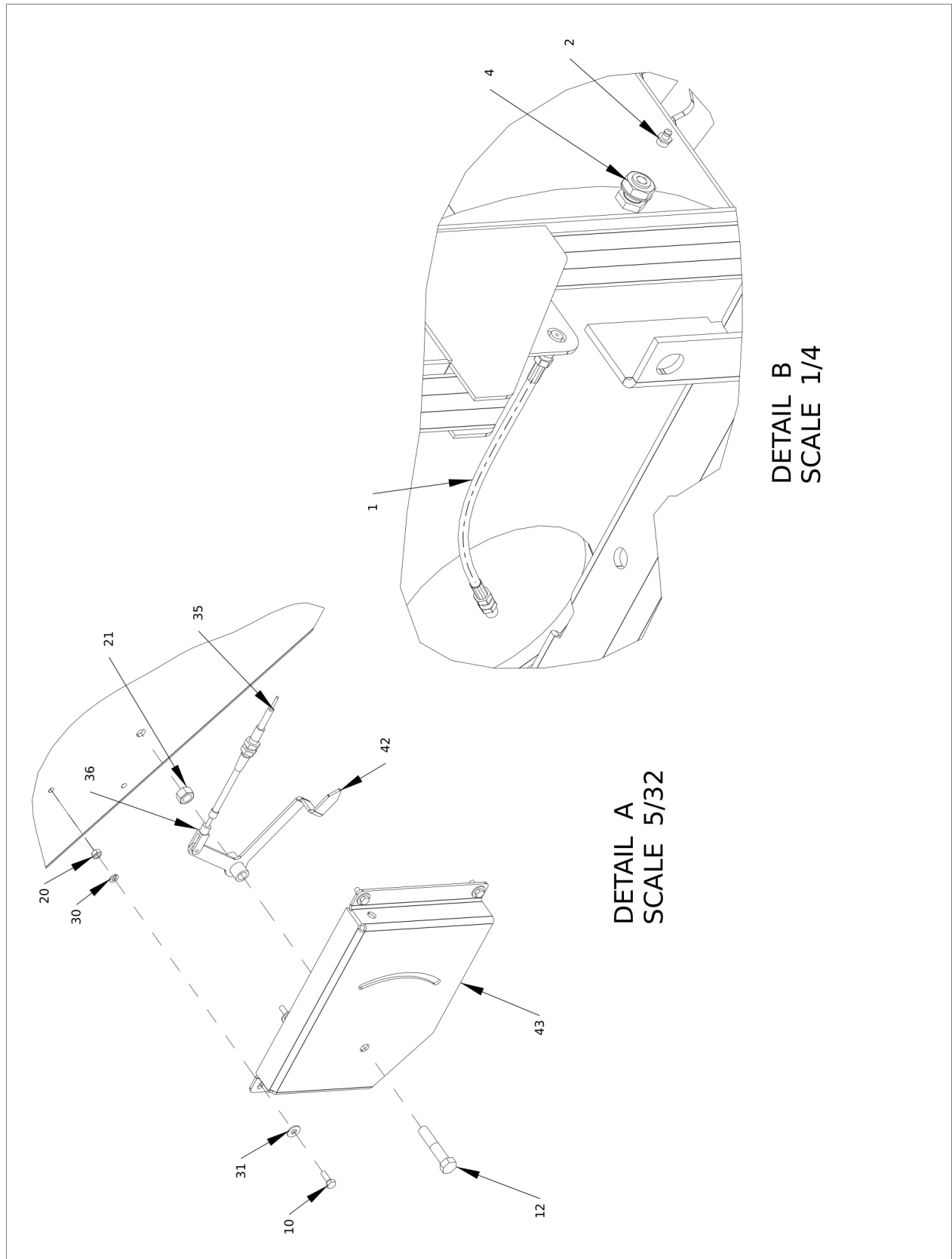
2800 Shredder Assembly (for Sn 0099 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
1	3700769	HOSE\LUB\1\8X23\MP5-MPS		1	EA.
2	3800043	FTG\LUB\1\8MPXZRK\SHORT		1	EA.
3	3800082	FTG\LUB\1\4NFXZERK\ADAPT		1	EA.
4	3800895	FTG\1\8FP\CPLG\ANCHOR\5\8NF		1	EA.
5	3900025	MOTOR\HYD\17.9\HAMNT\7\8FOR\1SHFT		1	EA.
6	4100030	PIN 1" X 3-1/2" HYD. CYL.		4	EA.
7	4800003	BOLT\HEX\3\8X1		4	EA.
8	4800013	BOLT\HEX\5\16X1		8	EA.
9	4800018	BOLT\HEX\1\2X1-1/4		8	EA.
10	4800024	BOLT\HEX\1\4X3/4		4	EA.
11	4800053	BOLT\CRG\3\8X1\NC		8	EA.
12	4800070	BOLT\HEX\1\2X2-1/2		1	EA.
13	4800082	BOLT\HEX\1\2X1-1/2		2	EA.
14	4800120	PIN\COT\3\16X1-3/4		8	EA.
15	4800220	SCR\RD\SLOT\#10-24X3/4\NC		2	EA.
16	4800515	BOLT\HEX\3\8X3-1/4\NC		4	EA.
17	4800911	PIN\LYNCH\1\4X2-1/2\		4	EA.
18	4900001	NUT\HEX\1\2\NC		8	EA.
19	4900002	NUT\HEX\3\8\NC		12	EA.
20	4900009	NUT\HEX\1\4\NC		4	EA.
21	4900014	NUT\TPLCK\1\2\NC		3	EA.
22	4900023	NUT\TPLCK\3\8\NC		4	EA.
23	4900142	NUT\TPLCK\5\16\NC		8	EA.
24	4900146	NUT\TPLCK\#12\NC		2	EA.
25	5000001	WASH\FLAT\3\8		12	EA.
26	5000004	WASH\FLAT\1\2		18	EA.
27	5000006	WASH\LOCK\1\2		8	EA.
28	5000019	WASH\LOCK\3\8		12	EA.
29	5000023	WASH\FLAT\5\16		8	EA.
30	5000024	WASH\LOCK\1\4		4	EA.
31	5000035	WASH\FLAT\1\4		4	EA.
32	5000132	WASH\BEVELED\SQ\3\8		4	EA.
33	7501045	LATCH\ADJ\OTC\4" GRIP		4	EA.
34	7501050	PLATE\SICKLE		1	EA.
35	7501136	CB\PSH/PULL\VLD\216"LG		1	EA.
36	7501137	CLEVIS\3\16PIN\10-32ROD		1	EA.
37	7501628	CNSTRS\MANUAL\12X3.5	(For SN 0269 & Up)	1	EA.
38	8101230	MNT\MTR\HYD		1	EA.

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2800 Shredder Assembly (for Sn 0099 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
39	8101358	MNT\CNVYR\3\BRK		1	EA.
40	8101359	SH\SHRDR\FLLR		1	EA.
41	8101360	MNT\CNVYR\3\BRK		1	EA.
42	8101392	NEEDLE\IND\LDR		1	EA.
43	8101393	INDCTR\LDR\FRNT		1	EA.
44	8101608	MNT\CYL\DFCLTR		1	EA.
45	8101612	CVR\CLEANOUT		1	EA.
46	8101613	CVR\CLEANOUT		1	EA.
47	8101629	SHRDR\FRM\2800		1	EA.
48	4100226	CYL\HYD\2X8\1-1/4RD\WELDED\#8ORB\INLINE W_PIN\CTD		2	EA.
48A	4100210	CYL\HYD\2X8\1-1/4RD\WELDED\#8ORB\INLINE W_PIN\RAM			EA.



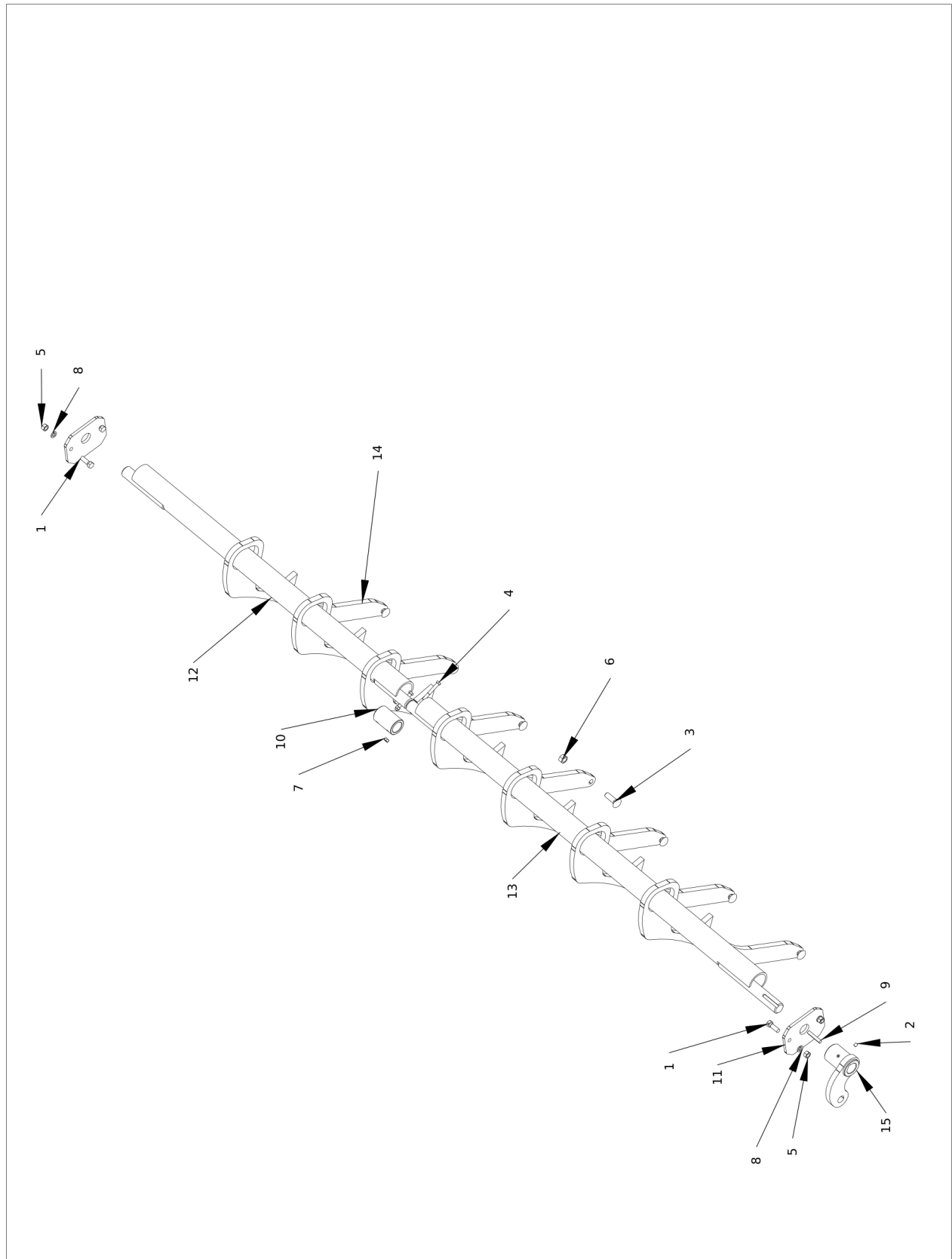
2800 Shredder Assembly-Detail A and B (for SN 0099 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
1	3700769	HOSE\LUB\1\8X23\MP5-MPS		1	EA.
2	3800043	FTG\LUB\1\8MPXZRK\SHORT		1	EA.
3	3800082	FTG\LUB\1\4NFXZERK\ADAPT		1	EA.
4	3800895	FTG\1\8FP\CPLG\ANCHOR\5\8NF		1	EA.
5	3900025	MOTOR\HYD\17.9\HAMNT\7\8FOR\1SHFT		1	EA.
6	4100030	PIN 1" X 3-1/2" HYD. CYL.		4	EA.
7	4800003	BOLT\HEX\3\8X1		4	EA.
8	4800013	BOLT\HEX\5\16X1		8	EA.
9	4800018	BOLT\HEX\1\2X1-1/4		8	EA.
10	4800024	BOLT\HEX\1\4X3/4		4	EA.
11	4800053	BOLT\CRG\3\8X1\NC		8	EA.
12	4800070	BOLT\HEX\1\2X2-1/2		1	EA.
13	4800082	BOLT\HEX\1\2X1-1/2		2	EA.
14	4800120	PIN\COT\3\16X1-3/4		8	EA.
15	4800220	SCR\RD\SLOT\#10-24X3/4\NC		2	EA.
16	4800515	BOLT\HEX\3\8X3-1/4\NC		4	EA.
17	4800911	PIN\LYNCH\1\4X2-1/2\		4	EA.
18	4900001	NUT\HEX\1\2\NC		8	EA.
19	4900002	NUT\HEX\3\8\NC		12	EA.
20	4900009	NUT\HEX\1\4\NC		4	EA.
21	4900014	NUT\TPLCK\1\2\NC		3	EA.
22	4900023	NUT\TPLCK\3\8\NC		4	EA.
23	4900142	NUT\TPLCK\5\16\NC		8	EA.
24	4900146	NUT\TPLCK\#12\NC		2	EA.
25	5000001	WASH\FLAT\3\8		12	EA.
26	5000004	WASH\FLAT\1\2		18	EA.
27	5000006	WASH\LOCK\1\2		8	EA.
28	5000019	WASH\LOCK\3\8		12	EA.
29	5000023	WASH\FLAT\5\16		8	EA.
30	5000024	WASH\LOCK\1\4		4	EA.
31	5000035	WASH\FLAT\1\4		4	EA.
32	5000132	WASH\BEVELED\SQ\3\8		4	EA.
33	7501045	LATCH\ADJ\OTC\4" GRIP		4	EA.
34	7501050	PLATE\SICKLE		1	EA.
35	7501136	CBL\PSH\PULL\VLD\216"LG		1	EA.
36	7501137	CLEVIS\3\16PIN\10-32ROD		1	EA.
37	7501628	CNSTRS\MANUAL\12X3.5	(SN 0269 and Up)	1	EA.
38	8101230	MNT\MTR\HYD		1	EA.

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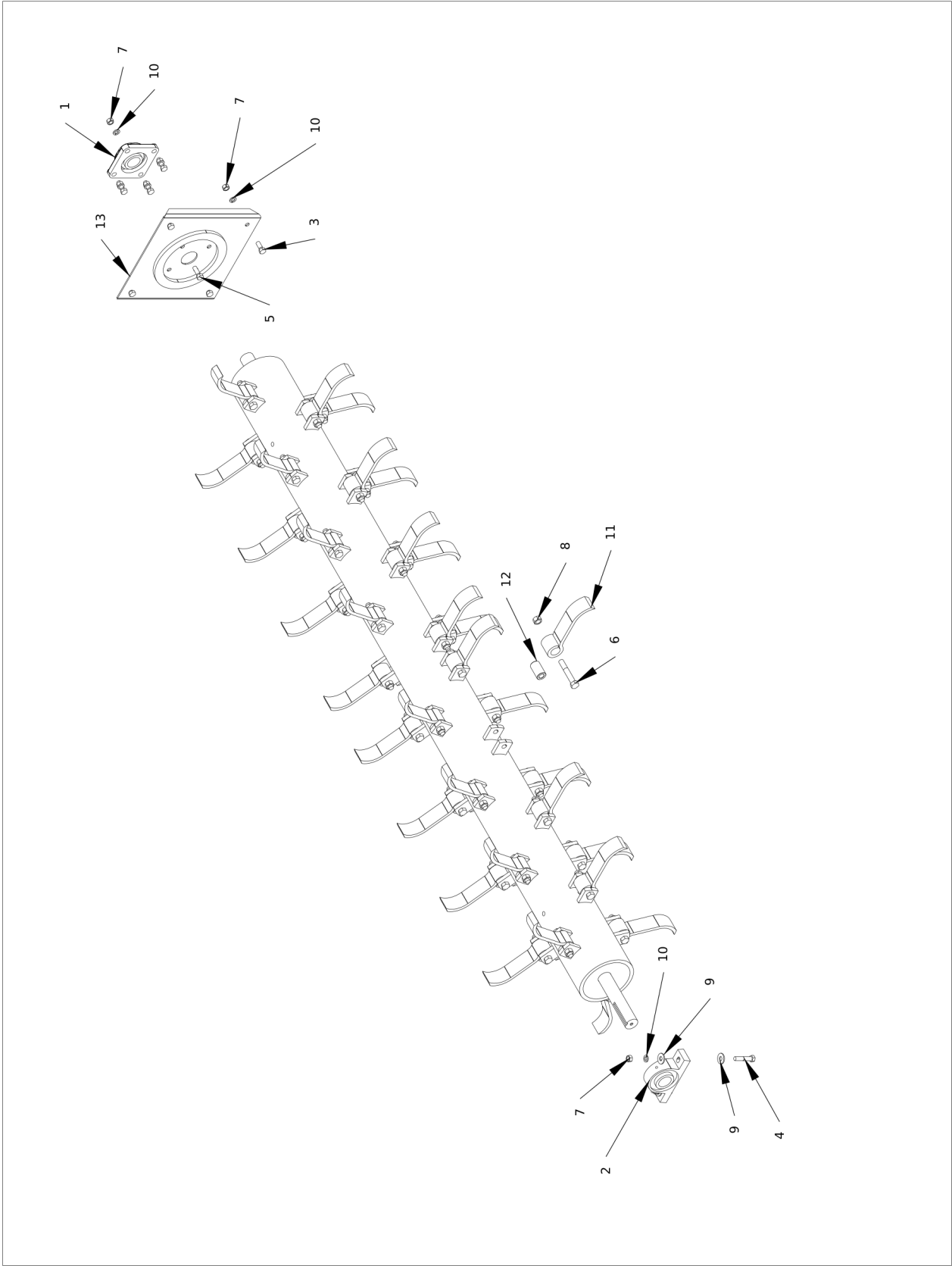
2800 Shredder Assembly-Detail A and B (for SN 0099 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
39	8101358	MNT\CNVYR\3\BRK		1	EA.
40	8101359	SH\SHRDR\FLLR		1	EA.
41	8101360	MNT\CNVYR\3\BRK		1	EA.
42	8101392	NEEDLE\IND\LDR		1	EA.
43	8101393	INDCTR\LDR\FRNT		1	EA.
44	8101608	MNT\CYL\DFCLTR		1	EA.
45	8101612	CVR\CLEANOUT		1	EA.
46	8101613	CVR\CLEANOUT		1	EA.
47	8101629	SHRDR\FRM\2800		1	EA.
48	4100226	CYL\HYD\2X8\1-1/4RD\WELDED\#8ORB\INLINE W_PIN\CTD		2	EA.
48A	4100210	CYL\HYD\2X8\1-1/4RD\WELDED\#8ORB\INLINE W_PIN\RAM			EA.



2800 Slugbar Assembly

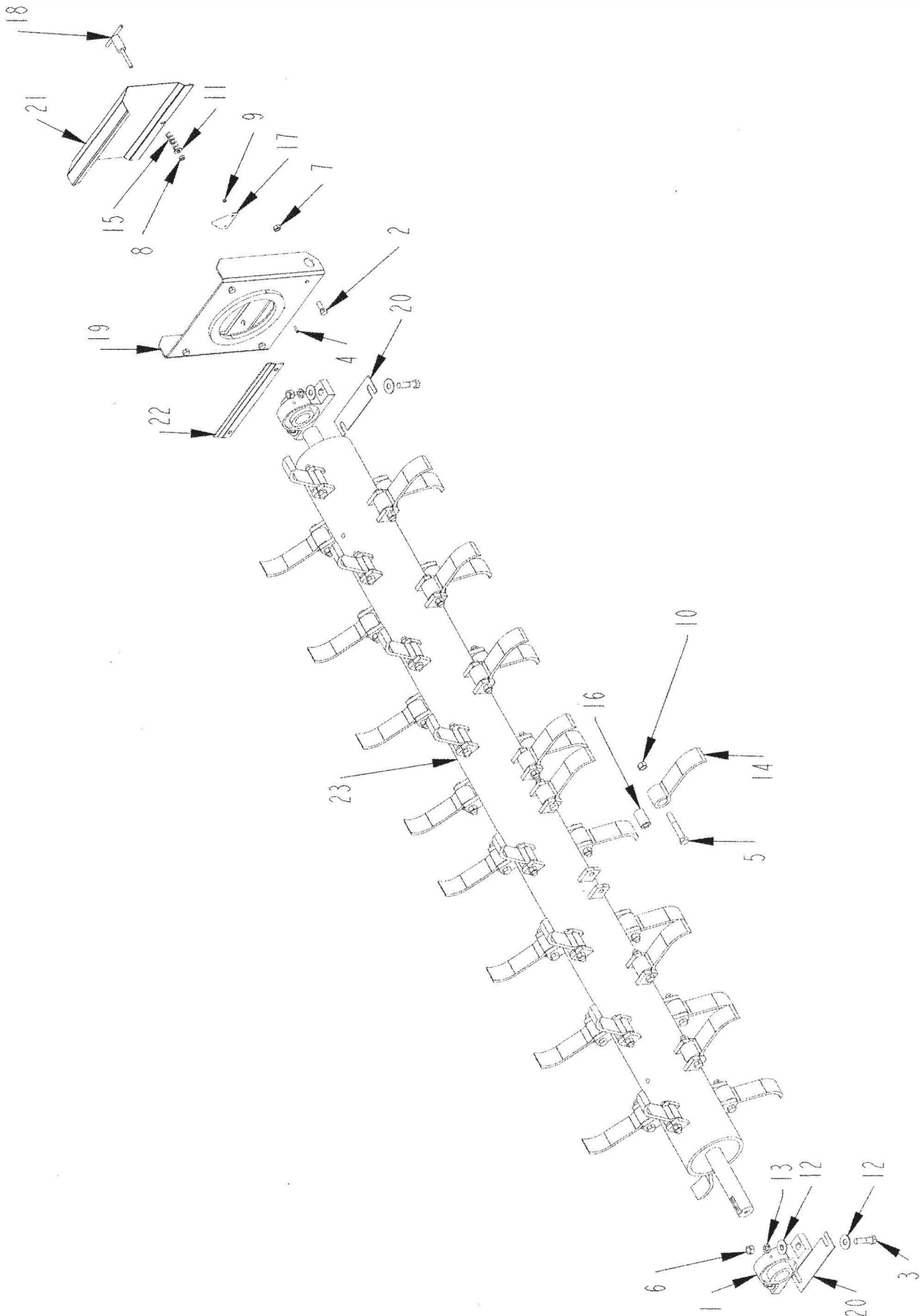
Item	Part No.	Name	Remarks	Qty	Uom
1	4800082	BOLT\HEX\1/2X1-1/2		4	EA.
2	4800143	SCR\SET\ALN\3/8X3/8\NC		2	EA.
3	4800483	BOLT\CRG\5/8X2\NC		7	EA.
4	4800514	BOLT\HEX\3/8X2-3/4		2	EA.
5	4900001	NUT\HEX\1/2\NC		4	EA.
6	4900012	NUT\TPLCK\5/8\NC		7	EA.
7	4900023	NUT\TPLCK\3/8\NC		2	EA.
8	5000006	WASH\LOCK\1/2		4	EA.
9	6200020	KEY\SQ\3/8X2-1/4\HARDEND		1	EA.
10	8101223	BUSH\CAM\SLUGBAR		1	EA.
11	8101224	MNT\SLUGBAR		2	EA.
12	8101384	CAM\SLUGBAR		1	EA.
13	8101385	CAM\SLUGBAR		1	EA.
14	8101389	BAR\SLUG\ADJ		7	EA.
15	8101607	ARM\SLUGBAR		1	EA.



2800 Rotor Assembly (SN up to 0098)

Item	Part No.	Name	Remarks	Qty	Uom
1	2000311	BRG\FLG\CAST1-3/4\4BOLT		1	EA.
2	2000514	BRG\PB\1-3/4\2BOLT\MALLEABLE		1	EA.
3	4800018	BOLT\HEX\1/2X1-1/4		4	EA.
4	4800070	BOLT\HEX\1/2X2-1/2		2	EA.
5	4800082	BOLT\HEX\1/2X1-1/2		4	EA.
6	4800598	BOLT\HEX\5/8X4\NF\GR8		40	EA.
7	4900001	NUT\HEX\1/2\NC		10	EA.
8	4900179	NUT\TPLCK\RTR\5/8\NF\GR9		40	EA.
9	5000004	WASH\FLAT\1/2		4	EA.
10	5000006	WASH\LOCK\1/2		10	EA.
11	5200012	FLAIL\BB\8		40	EA.
12	7500223	BUSH\FLAIL\1-1/4X.687x2-1/8L		40	EA.
13	8101213	PL\END\RTR		1	EA.
CA	8101369	RTR\FLAIL\2800			EA.
NS	8101631	SHM\10GA\BRG\RTR			EA.

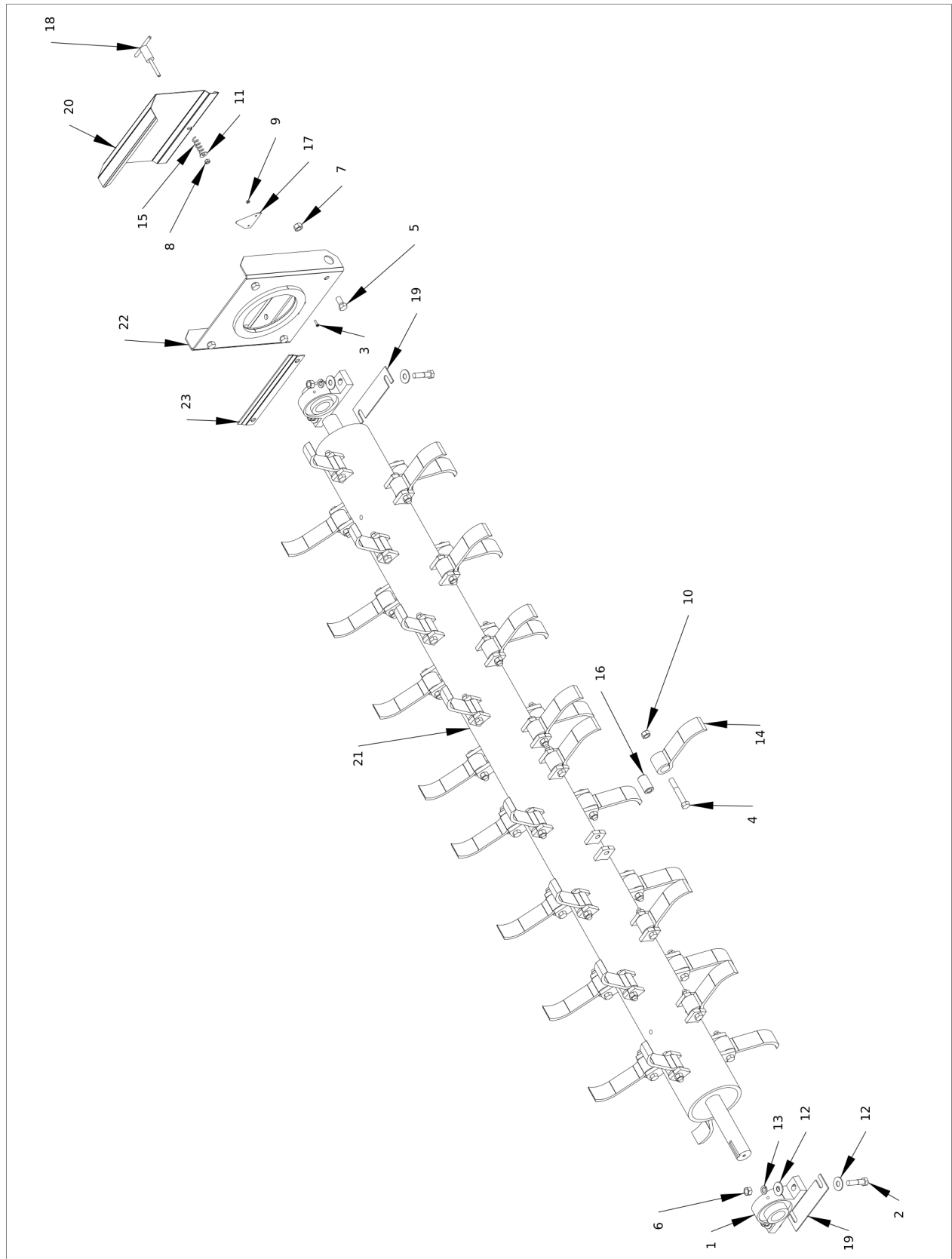
2800 Balebuster Parts Reference



2800 Rotor Assembly (for SN 0099 to 0268)

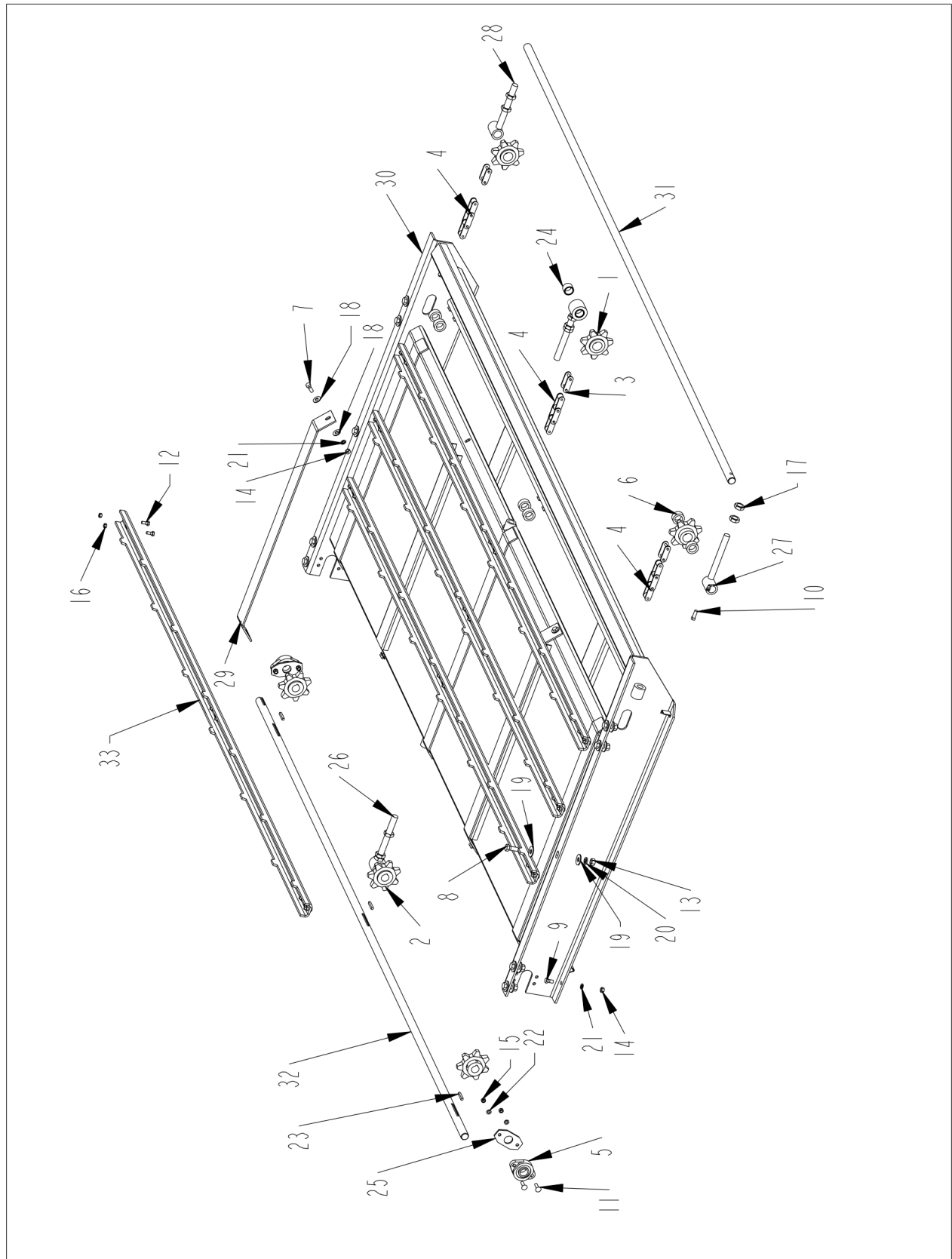
Item	Part No.	Name	Remarks	Qty	Uom
1	2000510	BRG\PB\2\2BOLT		2	EA.
2	4800018	BOLT\HEX\1/2X1-1/4		4	EA.
3	4800079	BOLT\HEX\5/8X2-1/2		4	EA.
4	4800220	SCR\RD\SLOT\#10-24X3/4\NC		2	EA.
5	4800598	BOLT\HEX\5/8X4\NF\GR8		40	EA.
6	4900005	NUT\HEX\5/8\NC		4	EA.
7	4900014	NUT\TPLCK\1/2\NC		4	EA.
8	4900023	NUT\TPLCK\3/8\NC		1	EA.
9	4900146	NUT\TPLCK\#12\NC		2	EA.
10	4900179	NUT\TPLCK\RTR\5/8\NF\GR9		40	EA.
11	5000001	WASH\FLAT\3/8		1	EA.
12	5000002	WASH\FLAT\5/8		8	EA.
13	5000003	WASH\LOCK\5/8		4	EA.
14	5200012	FLAIL\BB\8		40	EA.
15	6100002	SPRING\COMPL\072W\11/16OD\2-1/8LONG		1	EA.
16	7500223	BUSH\FLAIL\1-1/4X.687x2-1/8L		40	EA.
17	7501050	PLATE\SICKLE		1	EA.
18	8101546	LATCH\SHLD\BRG\REAR\RTR		1	EA.
19	8101630	BRKT\BRG\REAR\RTR		1	EA.
20	8101631	SHM\10GA\BRG\RTR		AS NEEDED	EA.
20A	8101462	SHM\16GA\BRG\RTR		AS NEEDED	EA.
21	8101632	SHLD\BRG\REAR\RTR		1	EA.
22	8101633	MNT\SHLD\REAR\BRG\RTR		1	EA.
23	8101639	RTR\2800		1	EA.

2800 Balebuster Parts Reference



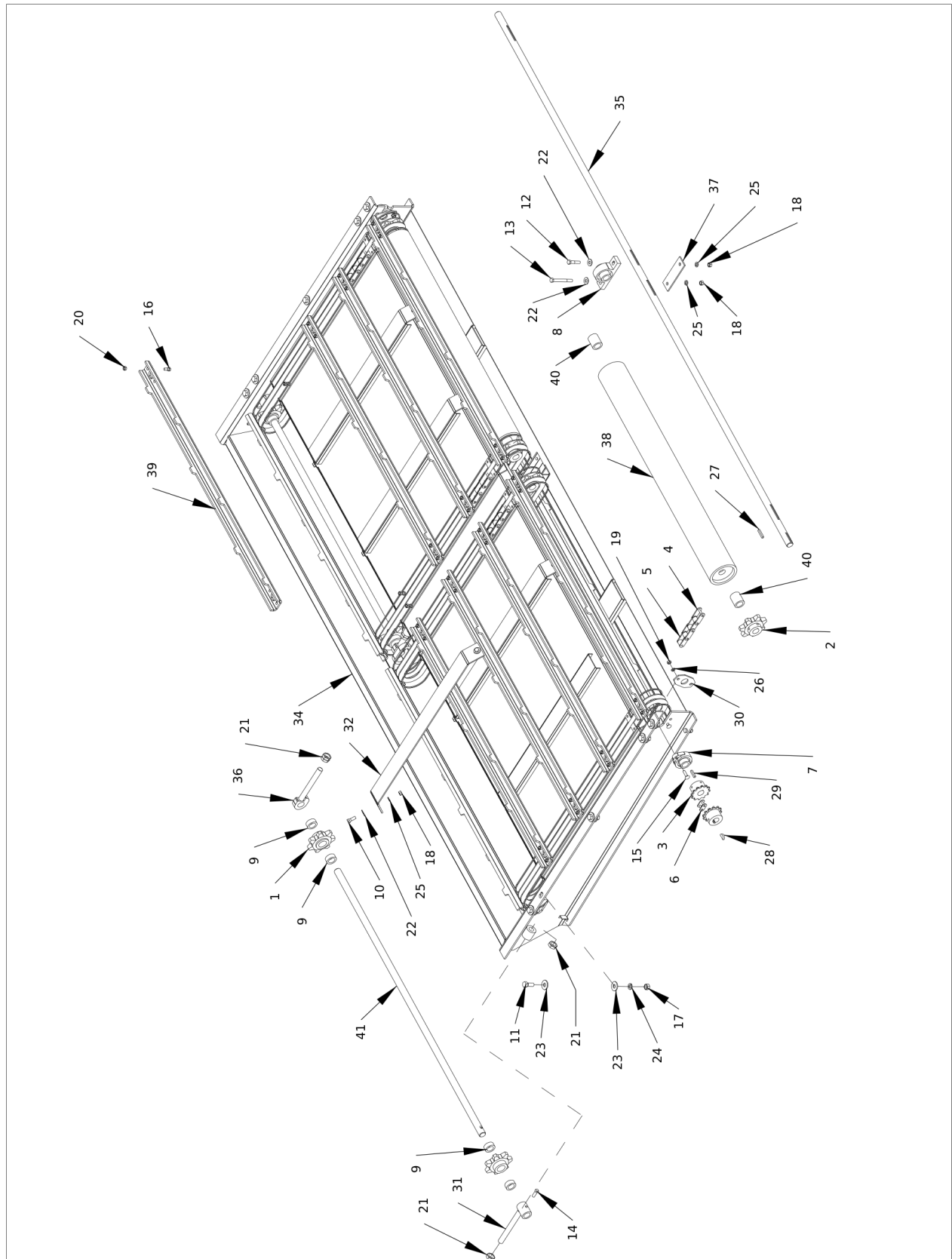
2800 Rotor Assembly (Sn 0269 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
1	2000510	BRG\PB\2\2BOLT		2	EA.
2	4800079	BOLT\HEX\5/8X2-1/2		4	EA.
3	4800220	SCR\RD\SLOT\#10-24X3/4\NC		2	EA.
4	4800598	BOLT\HEX\5/8X4\NF\GR8		40	EA.
5	4801199	BOLT\HEX\5/8X1-1/4\GR8		4	EA.
6	4900005	NUT\HEX\5/8\NC		4	EA.
7	4900012	NUT\TPLCK\5/8\NC		4	EA.
8	4900023	NUT\TPLCK\3/8\NC		1	EA.
9	4900146	NUT\TPLCK\#12\NC		2	EA.
10	4900179	NUT\TPLCK\RTR\5/8\NF\GR9		40	EA.
11	5000001	WASH\FLAT\3/8		1	EA.
12	5000002	WASH\FLAT\5/8		8	EA.
13	5000003	WASH\LOCK\5/8		4	EA.
14	5200012	FLAIL\BB\8		40	EA.
15	6100002	SPRING\COMPL\072W\11/16OD\2-1/8LONG		1	EA.
16	7500223	BUSH\FLAIL\1-1/4X.687x2-1/8L		40	EA.
17	7501050	PLATE\SICKLE		1	EA.
18	8101546	LATCH\SHLD\BRG\REAR\RTR		1	EA.
19	8101631	SHM\10GA\BRG\RTR		AS NEEDED	EA.
19A	8101462	SHM\16GA\BRG\RTR		AS NEEDED	EA.
20	8101632	SHLD\BRG\REAR\RTR		1	EA.
21	8101639	RTR\2800		1	EA.
22	8102156	BRKT\BRG\REAR\RTR		1	EA.
23	8102164	MNT\SHLD\REAR\BRG\RTR		1	EA.



2800 Conveyor Assembly (SN up to 0098)

Item	Part No.	Name	Remarks	Qty	Uom
1	1000088	SPKT\662\7\1\IDLER\CA		3	EA.
2	1000089	SPKT\662\7\1\1\4KWDR	10% Discount @50pc, ORDER 4800143 SET SCREW	3	EA.
3	1100103	CHAIN\620CA\CL		3	EA.
4	1100150	CHAIN\620CA\53\W\ATTCH		3	EA.
5	2000310	BRG\FLG\CAST\1\2BOLT		2	EA.
6	2000809	CLLOR\SHFT\1\(\SET)		6	EA.
7	4800003	BOLT\HEX\3\8X1		4	EA.
8	4800018	BOLT\HEX\1\2X1-1/4		10	EA.
9	4800164	BOLT\HEX\3\8X3/4		2	EA.
10	4800307	SCR\SET\SQ\3\8X1\NC		1	EA.
11	4800474	BOLT\CRG\5\16X1-1/4\NC		4	EA.
12	4800643	BOLT\HEX\5\16X3/4		54	EA.
13	4900001	NUT\HEX\1\2\NC		10	EA.
14	4900002	NUT\HEX\3\8\NC		6	EA.
15	4900003	NUT\HEX\5\16\NC		4	EA.
16	4900099	NUT\PLCK\5\16\GR8\NC		54	EA.
17	4900104	NUT\JAM\3\4\NC		10	EA.
18	5000001	WASH\FLAT\3\8		8	EA.
19	5000004	WASH\FLAT\1\2		20	EA.
20	5000006	WASH\LOCK\1\2		10	EA.
21	5000019	WASH\LOCK\3\8		6	EA.
22	5000022	WASH\LOCK\5\16		4	EA.
23	6200005	KEY\SQ\1\4X1-1/2		3	EA.
24	7500147	BUSH\OILITE\1IDX1-1\4X7\8		4	EA.
25	8100449	GUARD\TWINE\CNVYR		2	EA.
26	8100585	BRKT\SHFT\DRIVE\CNVYR		2	EA.
27	8100783	BRKT\SHAFT\IDLER\CNVYR		1	EA.
28	8101022	BRKT\SHAFT\IDLER\NO-TAP		1	EA.
29	8101052	PL\RUB\CHAIN\CNVYR		2	EA.
30	8101203	FRM\CNVYR\FLATBOTTOM		1	EA.
31	8101204	SHFT\IDLER\CNVYR		1	EA.
32	8101205	SHFT\DRV\CNVYR		1	EA.
33	8101611	PLT\SLAT\2800		9	EA.
NS	1000233	SPKT\60\B\12\1\1\4KW		2	EA.
NS	1100240	CHAIN\60\12\CPLNG\W-CL		1	EA.
NS	3900025	MOTOR\HYD\17.9\HAMNT\7\8\FOR\1SHFT		1	EA.
NS	6200011	KEY\WDF\1\4X1		1	EA.
NS	6200014	KEY\SQ\1\4X1-1/4		1	EA.



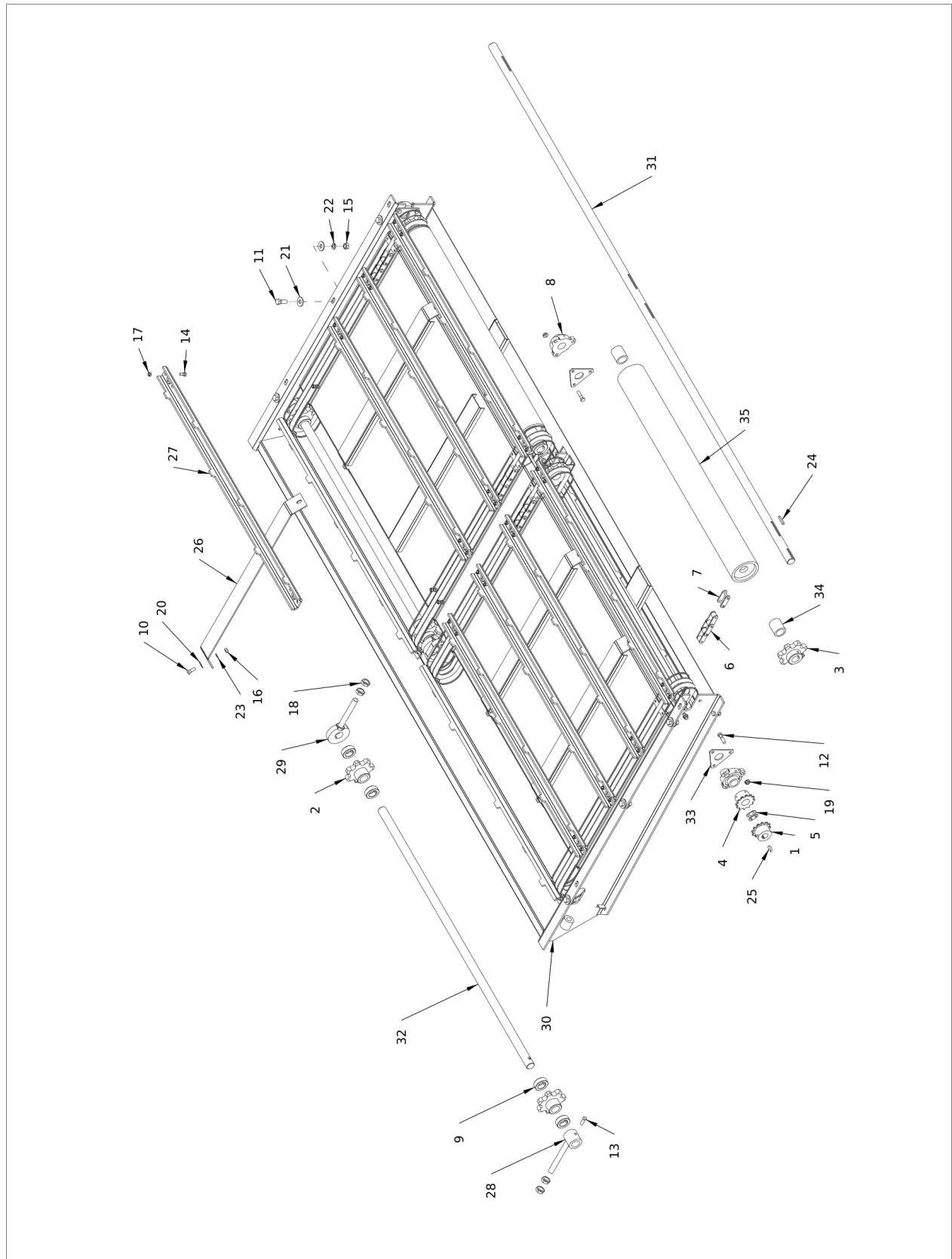
2800 Conveyor Assembly (SN 0099 thru 0288)

Item	Part No.	Name	Remarks	Qty	Uom
1	1000088	SPKT\662\7\1\IDLER\ICA		4	EA.
2	1000089	SPKT\662\7\1\1\4KWDR	10% Discount @50pc, ORDER 4800143 SET SCREW	4	EA.
3	1000233	SPKT\60\B\12\1\1\4KW		2	EA.
4	1100103	CHAIN\620CA\CL		4	EA.
5	1100150	CHAIN\620CA\53W\ATTCH		4	EA.
6	1100240	CHAIN\60\12\CPLNG\W-CL		1	EA.
7	2000310	BRG\FLG\CAST\1\2BOLT		2	EA.
8	2000503	BRG\PB\1\2BOLT		1	EA.
9	2000809	CLLOR\SHFT\1\(\SET)		8	EA.
10	4800003	BOLT\HEX\3\8X1		10	EA.
11	4800018	BOLT\HEX\1\2X1-1/4		10	EA.
12	4800142	BOLT\HEX\3\8X1-3/4		1	EA.
13	4800197	BOLT\HEX\3\8X3-1/2		1	EA.
14	4800307	SCR\SET\SQ\3\8X1\NC		2	EA.
15	4800474	BOLT\CRG\5\16X1-1/4\NC		4	EA.
16	4800643	BOLT\HEX\5\16X3/4		72	EA.
17	4900001	NUT\HEX\1\2\NC		10	EA.
18	4900002	NUT\HEX\3\8\NC		14	EA.
19	4900003	NUT\HEX\5\16\NC		4	EA.
20	4900099	NUT\TPLCK\5\16\GR8\NC		72	EA.
21	4900104	NUT\JAM\3\4\NC		8	EA.
22	5000001	WASH\FLAT\3\8		10	EA.
23	5000004	WASH\FLAT\1\2		20	EA.
24	5000006	WASH\LOCK\1\2		10	EA.
25	5000019	WASH\LOCK\3\8		10	EA.
26	5000022	WASH\LOCK\5\16		4	EA.
27	6200005	KEY\SQ\1\4X1-1/2		4	EA.
28	6200011	KEY\WDF\1\4X1		1	EA.
29	6200014	KEY\SQ\1\4X1-1/4		1	EA.
30	8100449	GUARD\TWINE\CNVYR		2	EA.
31	8100783	BRKT\SHAFT\IDLER\CNVYR		2	EA.
32	8101052	PL\RU\B\CHAIN\CNVYR		4	EA.
33	8101642	ORDER 8102144		1	EA.
34	8101643	ORDER 8102144		1	EA.
35	8101644	SHFT\DRV\CNVYR		1	EA.
36	8101645	TNSNR\CHAIN		2	EA.
37	8101646	SH\BRNG\CNVYR		1	EA.
38	8101647	SPPT\SHAFT\SLAT		2	EA.

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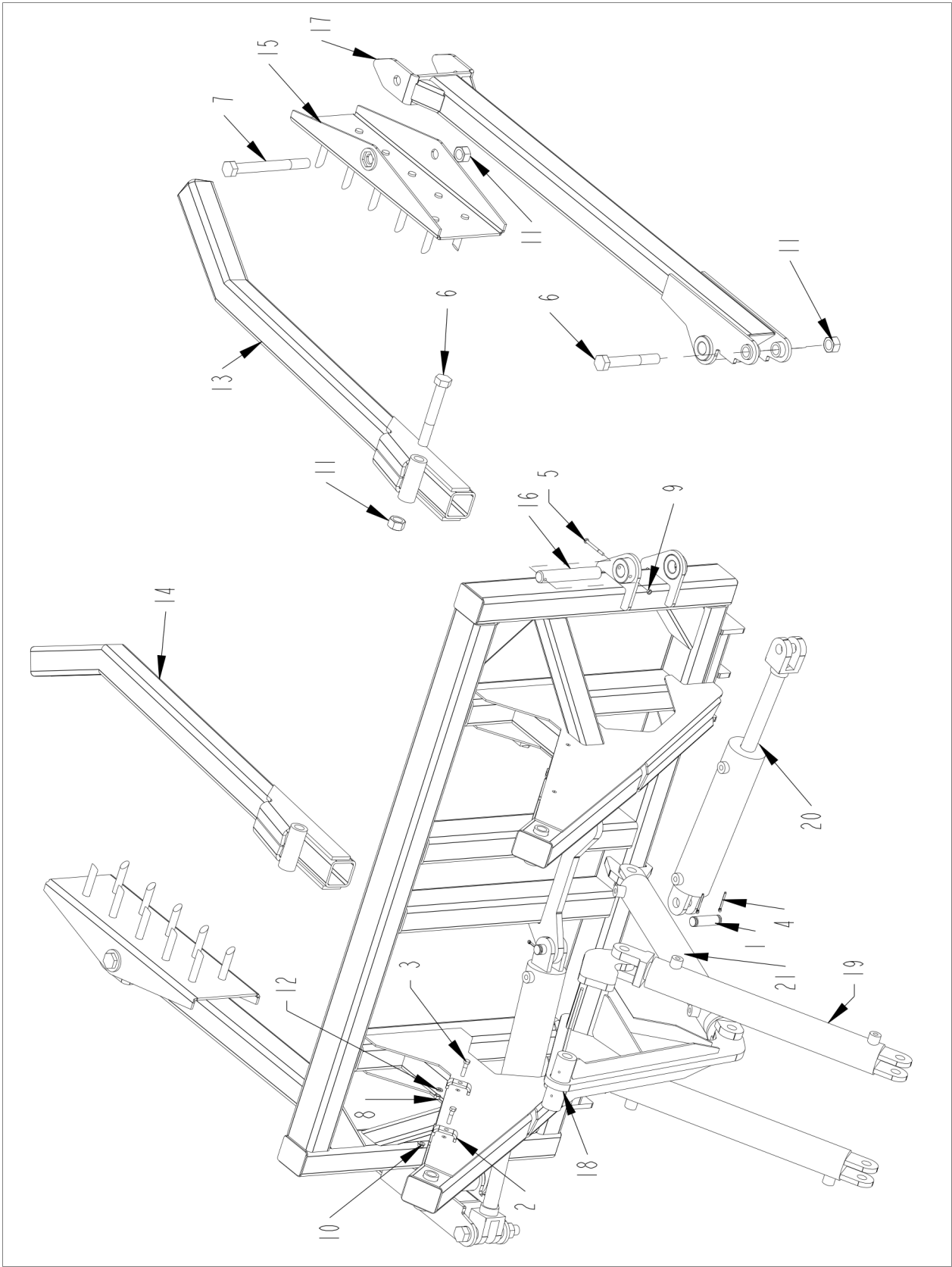
2800 Conveyor Assembly (SN 0099 thru 0288)

Item	Part No.	Name	Remarks	Qty	Uom
39	8101648	PLT\SLAT\2800		18	EA.
40	8101649	TUBE\SPCR\SHAFT		4	EA.
41	8101650	SHFT\IDLER\CNVYR		2	EA.
CA	8101642	ORDER 8102144			EA.



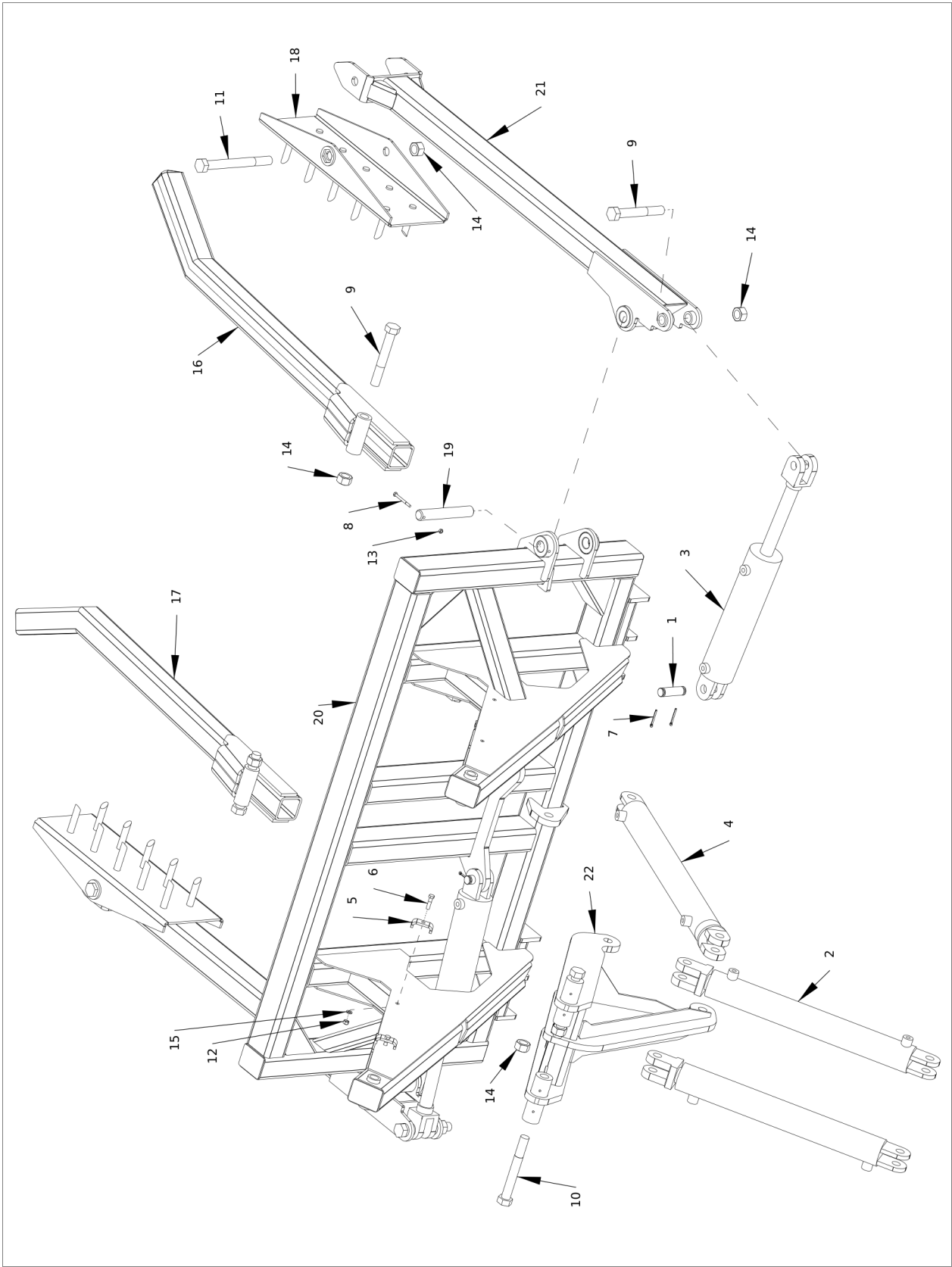
2800 Conveyor Assembly (Sn 0289 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
1	1000233	SPKT\60\B\12\1\1\4KW		1	EA.
2	1000306	SPKT\662\7\1-1\4\IDLER		4	EA.
3	1000307	SPKT\662\7\1-1\4\1\4KW\DRV		4	EA.
4	1000308	SPKT\60\B\12\1-1\4\1\4KW		1	EA.
5	1100240	CHAIN\60\12\CPLNG\W-CL		1	EA.
6	1100312	CHAIN\620CA\53\W\ATTCH		4	EA.
7	1100319	CHAIN\620CA\CL\HITACHI		4	EA.
8	2000333	BRG\FLG\CAST\1-1\4\3-BOLT		3	EA.
9	2000805	CLLR\SHFT\1-1\4\W\SET		8	EA.
10	4800003	BOLT\HEX\3\8X1		10	EA.
11	4800018	BOLT\HEX\1\2X1-1\4		6	EA.
12	4800034	BOLT\HEX\3\8X1-1\2		9	EA.
13	4800307	SCR\SET\SQ\3\8X1\NC		2	EA.
14	4800643	BOLT\HEX\5\16X3\4		72	EA.
15	4900001	NUT\HEX\1\2\NC		6	EA.
16	4900002	NUT\HEX\3\8\NC		12	EA.
17	4900099	NUT\TPLCK\5\16\GR8\NC		72	EA.
18	4900104	NUT\JAM\3\4\NC		8	EA.
19	4900109	NUT\FLG\TPLCK\3\8\NC		9	EA.
20	5000001	WASH\FLAT\3\8		8	EA.
21	5000004	WASH\FLAT\1\2		12	EA.
22	5000006	WASH\LOCK\1\2		6	EA.
23	5000019	WASH\LOCK\3\8		8	EA.
24	6200005	KEY\SQ\1\4X1-1\2		4	EA,
25	6200011	KEY\WDF\1\4X1		1	EA.
26	8101052	PL\IRUB\CHAIN\CNVYR		4	EA.
27	8101648	PLT\SLAT\2800		18	EA.
28	8102032	BRKT\SHAFT\IDLER\CNVYR		2	EA.
29	8102034	SUP\SHFT\IDLER\CNVYR\1-1\4		2	EA.
30	8102141	FRM\CNVYR\2800\2SLAT		1	EA.
31	8102142	SHFT\DRV\CNVYR		1	EA.
32	8102143	SHFT\IDLER\CNVYR		2	EA.
33	8102145	GUARD\TWINE\CNVYR\3HL		3	EA.
34	8102146	TUBE\SPCR\SHAFT		4	EA.
35	8102161	SPPT\SHAFT\SLAT		2	EA.
CA	8102144	CNVYR\ASSY\4CH\1-1\4SHFT\2800			EA.



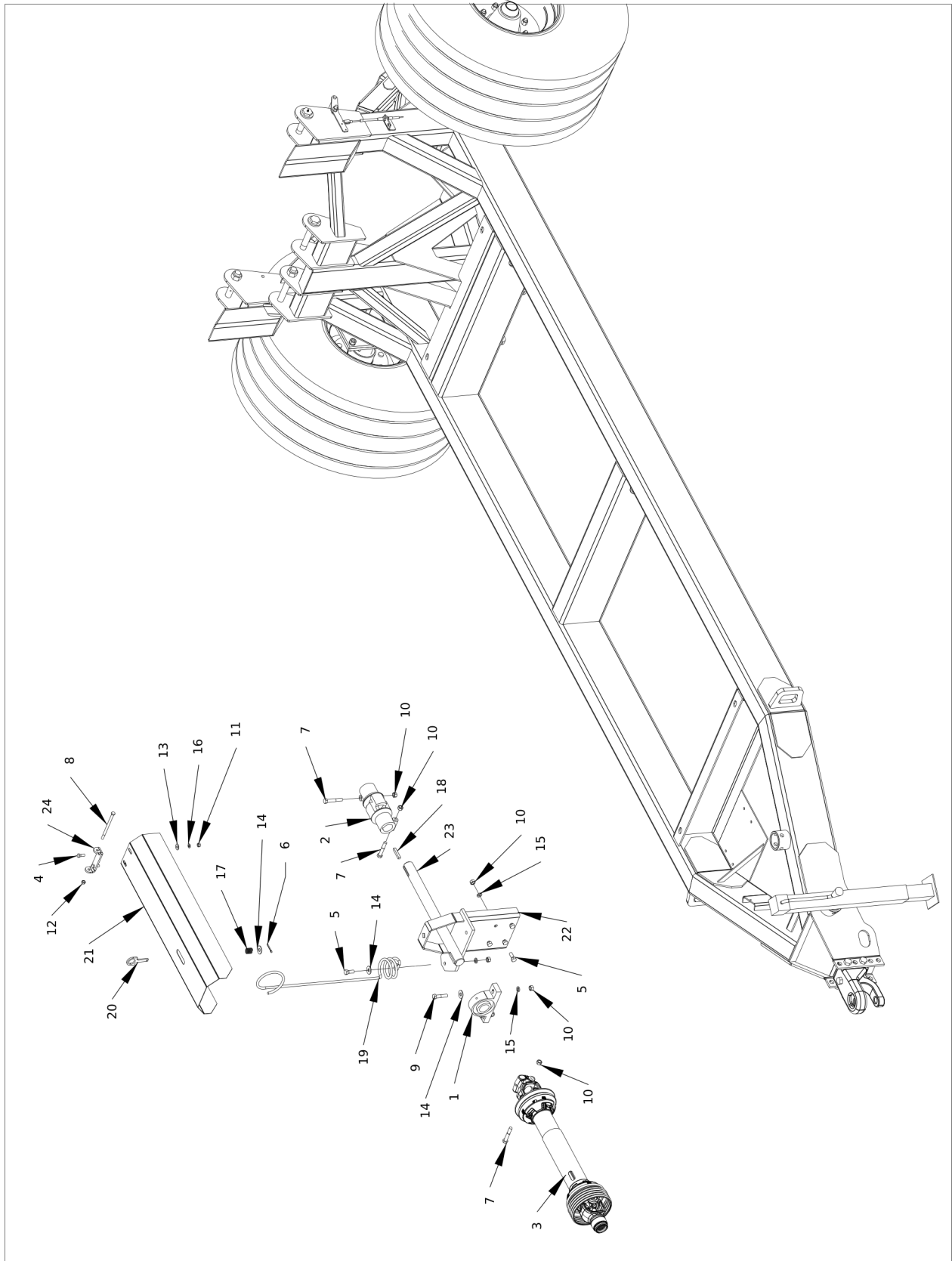
2800 Loader Assembly (SN thru 0218)

Item	Part No.	Name	Remarks	Qty	Uom
1	4100030	PIN 1" X 3-1/2" HYD. CYL.		8	EA.
2	4700776	CLMP\HOSE\3/8		4	EA.
3	4800034	BOLT\HEX\3/8X1-1/2		4	EA.
4	4800120	PIN\COT\3/16X1-3/4		16	EA.
5	4800193	BOLT\HEX\1/4X2-3/4		2	EA.
6	4800471	BOLT\HEX\1X7\NC		4	EA.
7	4800637	BOLT\HEX\1X10\NC		2	EA.
8	4900002	NUT\HEX\3/8\NC		2	EA.
9	4900084	NUT\TPLCK\1/4\NC		2	EA.
10	4900090	NUT\FLG\3/8\NC		2	EA.
11	4900127	NUT\TPLCK\1\NC		6	EA.
12	5000019	WASH\LOCK\3/8		2	EA.
13	8101033	TINE\SQ\LEFTHAND		1	EA.
14	8101075	TINE\SQ\RIGHTHAND		1	EA.
15	8101250	PAD\GRIP\BALE		2	EA.
16	8101351	PIN\SQZE\BALE		2	EA.
17	8101356	ARM\SQZE\BALE		2	EA.
18	8101616	LINK\PIVOT\LDR		1	EA.
19	4100261	CYL\HYD\3X20\1-1/2ROD\PAR#8 O-RING PORT\CTD		2	EA.
20	4100268	CYL\HYD\3-1/2X12\1-1/2ROD		2	EA.
21	4100269	CYL\HYD\3X24\1-1/2ROD -CANADIAN TOOL & DIE		1	EA.



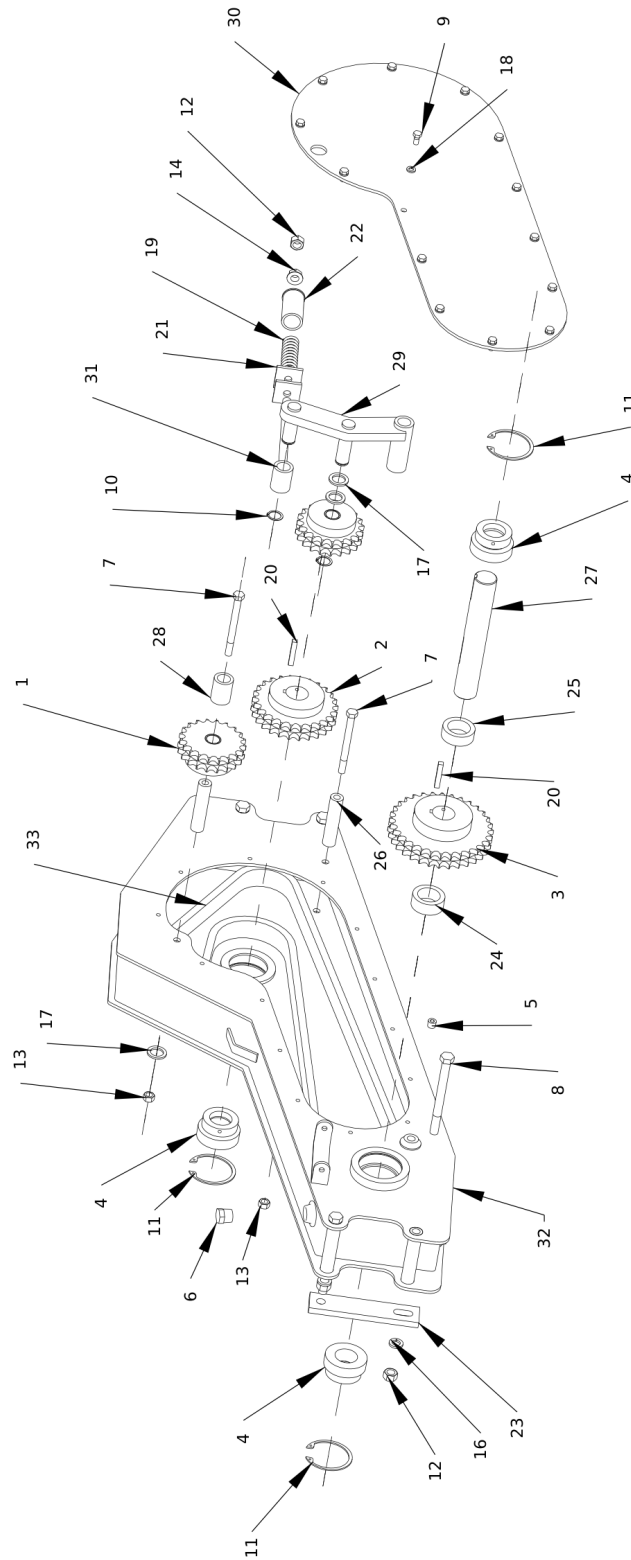
2800 Loader Assembly (Sn 0219 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
1	4100030	PIN 1" X 3-1/2" HYD. CYL.		8	EA.
2	4100261	CYL\HYD\3X20\1-1/2ROD\PAR#8 O-RING PORT\CTD		2	EA.
2A	4100328	CYL\HYD\3X20\1-1/2ROD\PAR			EA.
3	4100268	CYL\HYD\3-1/2X12\1-1/2ROD		2	EA.
3A	4100216	CYL\HYD\3-1/2X12\1-1/2ROD\3/4-16\ORB			EA.
4	4100269	CYL\HYD\3X24\1-1/2ROD -CANADIAN TOOL & DIE		1	EA.
4A	4100250	CYL\HYD\3X24\1-1/2ROD -RAM INDUSTRIES			EA.
5	4700776	CLMP\HOSE\3/8		4	EA.
6	4800034	BOLT\HEX\3/8X1-1/2		4	EA.
7	4800120	PIN\COT\3/16X1-3/4		16	EA.
8	4800193	BOLT\HEX\1/4X2-3/4		2	EA.
9	4800471	BOLT\HEX\1X7\NC		4	EA.
10	4800632	BOLT\HEX\1X8\NC\GR5\PLT		2	EA.
11	4800637	BOLT\HEX\1X10\NC		2	EA.
12	4900002	NUT\HEX\3/8\NC		2	EA.
13	4900084	NUT\TPLCK\1/4\NC		2	EA.
14	4900127	NUT\TPLCK\1\NC		8	EA.
15	5000019	WASH\LOCK\3/8		2	EA.
16	8101033	TINE\SQ\LEFTHAND		1	EA.
17	8101075	TINE\SQ\RIGHTHAND		1	EA.
18	8101250	PAD\GRIP\BALE		2	EA.
19	8101351	PIN\SQZE\BALE		2	EA.
20	8101355	LDR\BALE\2800		1	EA.
21	8101356	ARM\SQZE\BALE		2	EA.
22	8102003	LINK\PIN\FIVE\2800		1	EA.



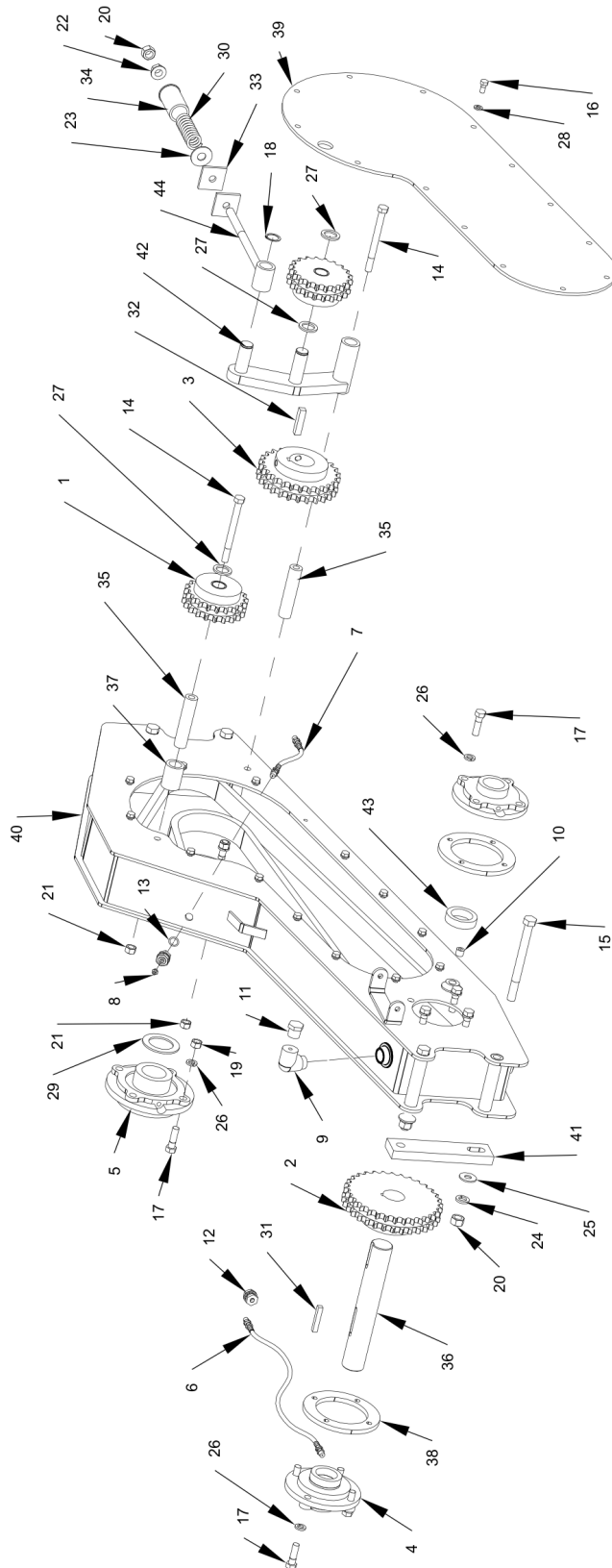
2800 Driveline Assembly

Item	Part No.	Name	Remarks	Qty	Uom
1	2000514	BRG\PB\1-3/4\2BOLT\MALLEABLE		1	EA.
2	3600453	JOINT\44\1-3/4BORE\ASSY		1	EA.
3	3600459	PTO\252-21797\44R		1	EA.
4	4800003	BOLT\HEX\3/8X1		2	EA.
5	4800018	BOLT\HEX\1/2X1-1/4		5	EA.
6	4800044	PIN\COT\5/32X1-1/2		1	EA.
7	4800068	BOLT\HEX\1/2X3		3	EA.
8	4800210	BOLT\HEX\3/8X6		1	EA.
9	4800251	BOLT\HEX\1/2X2-1/4\NC		2	EA.
10	4900001	NUT\HEX\1/2\NC		12	EA.
11	4900002	NUT\HEX\3/8\NC		9	EA.
12	4900023	NUT\TPLCK\3/8\NC		1	EA.
13	5000001	WASH\FLAT\3/8		2	EA.
14	5000004	WASH\FLAT\1/2		4	EA.
15	5000006	WASH\LOCK\1/2		9	EA.
16	5000019	WASH\LOCK\3/8		9	EA.
17	6100031	SPRING\COMPL\072W\25/32OD		1	EA.
18	6200020	KEY\SQ\3/8X2-1/4\HARDEND		2	EA.
19	7500170	HOSE MINDER		1	EA.
20	8101071	LATCH\SHLD		1	EA.
21	8101072	SHLD\PTO		1	EA.
22	8101073	BRKT\BRG\PTO\2650		1	EA.
23	8101074	SHFT\DRV\PTO		1	EA.
24	8101076	MNT\SHLD\DRV		1	EA.

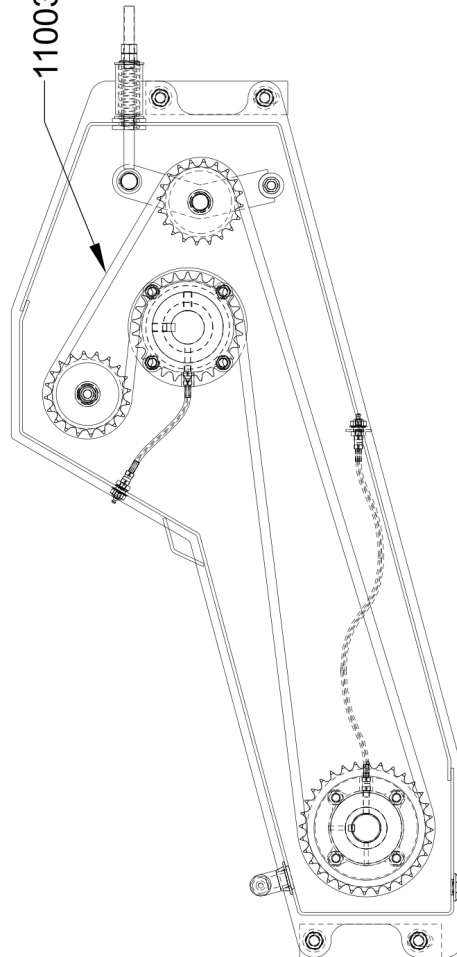


2800 Drive Assembly (SN up to 0098)

Item	Part No.	Name	Remarks	Qty	Uom
1	1000234	SPKT\DBL\B\60\20\HT\IDLER		2	EA.
2	1000235	SPRKT\DBL\60\B\26\1-3/4\3/8KW\2SS		1	EA.
3	1000236	SPKT\DBL\60\B\32\1-3/4\3/8KW\2SS		1	EA.
4	2001041	BRG\CYL\1-3/4\W-ECC		3	EA.
5	3800326	FTG\3/8MP\PLUG\ALN		2	EA.
6	3800441	FTG\3/4MP\PLUG\HEX		1	EA.
7	4800077	BOLT\HEX\1/2X5-1/2		2	EA.
8	4800155	BOLT\HEX\5/8X7		4	EA.
9	4800164	BOLT\HEX\3/8X3/4		14	EA.
10	4800904	SNSPRNG\EXT\1"		2	EA.
11	4800921	SNSRNG\INT\3-11/16\HO-334\STPA		3	EA.
12	4900005	NUT\HEX\5/8\NC		5	EA.
13	4900014	NUT\TPLCK\1/2\NC		2	EA.
14	4900110	NUT\FLG\SERR\5/8\NC		1	EA.
15	5000002	WASH\FLAT\5/8		1	EA.
16	5000003	WASH\LOCK\5/8		4	EA.
17	5000018	WASH\FLAT\1\10GA\1-1/2 O.D.		3	EA.
18	5000019	WASH\LOCK\3/8		14	EA.
19	6100076	SPRING\1-1/4ODX3-3/4 LX3/16WX10		1	EA.
20	6200020	KEY\ISQ\3/8X2-1/4\HARDEND		2	EA.
21	8101077	RUBBER\CUSHION		2	EA.
22	8101078	BRKT\LIMIT\SPRING		1	EA.
23	8101080	BRKT\MNT\CHAIN\DRIVE		2	EA.
24	8101082	TUBE\SPCR\DRV\PTO		1	EA.
25	8101083	BRKT\SPACER\7/8"\DRV\PTO		1	EA.
26	8101084	MNT\IDLER\DRV\PTO		2	EA.
27	8101085	SHFT\DRV\CHAIN\PTO		1	EA.
28	8101116	BRKT\SPACER\IDLER\GRBX		1	EA.
29	8101361	BRKT\IDLER\CHAIN\DRIVE		1	EA.
30	8101362	CVR\SERV\DRV\CHN		1	EA.
31	8101363	ROD\ADJ\CHAIN		1	EA.
32	8101364	CASE\CHAIN\2800		1	EA.
33	1100251	CHAIN\60DBL\163		1	EA.
CA	8101456	DRIVE\CHAIN\ASSY\2800			EA.
NS	1100064	CHAIN\60DBL\CL		1	EA.



1100330-CHAIN ROUTING



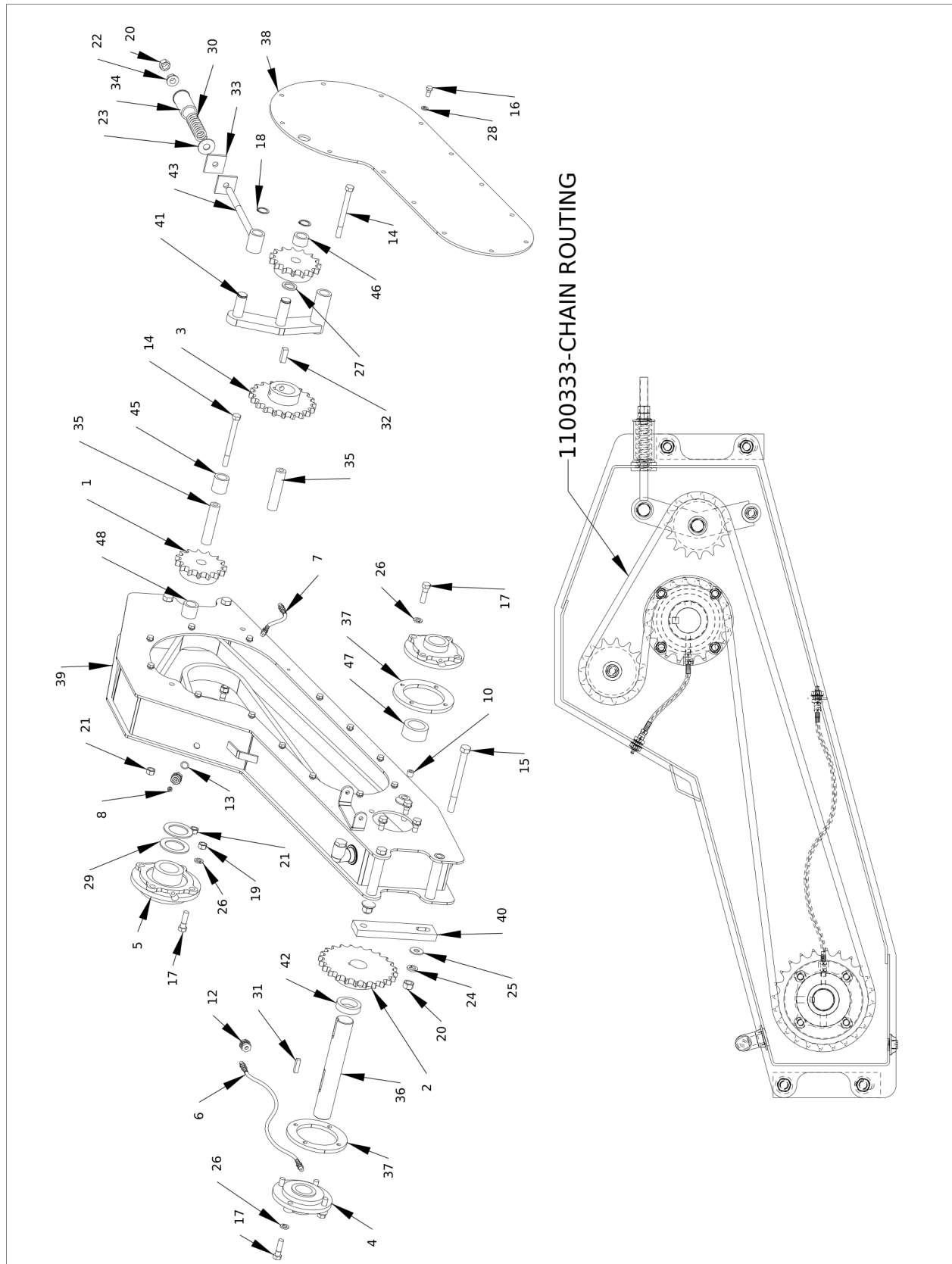
2800 Drive Assembly (SN 0099 to 0288)

Item	Part No.	Name	Remarks	Qty	Uom
1	1000234	SPKT\DBL\B\60\20\HT\IDLER		2	EA.
2	1000236	SPKT\DBL\60\B\32\1-3/4\3/8KW\2SS		1	EA.
3	1000280	SPKT\DBL\60\B\26\2\1/2KW\2SS		1	EA.
4	2000339	BRG\FLG\CAST\PILOTED\1-3/4		2	EA.
5	2000340	BRG\FLG\CAST\PILOTED\2		1	EA.
6	3700769	HOSE\LUB\1/8X23\MPS-MPS		1	EA.
7	3700770	HOSE\LUB\1/8X8-1/2\MPS-MPS		1	EA.
8	3800043	FTG\LUB\1/8MPX\ZRK\SHORT		2	EA.
9	3800129	FTG\3/4MPX\3/4FP\90\ST;EL		1	EA.
10	3800326	FTG\3/8MP\PLUG\ALN		2	EA.
11	3800452	FTG\3/4MP\VENT\BREATHER		1	EA.
12	3800895	FTG\1/8FP\CPLG\ANCHOR\5/8NF		2	EA.
13	3800896	FTG\O-RING\5/8IDX13/16OD		1	EA.
14	4800077	BOLT\HEX\1/2X5-1/2		2	EA.
15	4800155	BOLT\HEX\5/8X7		4	EA.
16	4800164	BOLT\HEX\3/8X3/4		14	EA.
17	4800178	BOLT\HEX\1/2X1-3/4		12	EA.
18	4800904	SNSPRNG\EXT\1"		2	EA.
19	4900001	NUT\HEX\1/2\NC		4	EA.
20	4900005	NUT\HEX\5/8\NC		5	EA.
21	4900014	NUT\TPLCK\1/2\NC		2	EA.
22	4900110	NUT\FLG\SERR\5/8\NC		1	EA.
23	5000002	WASH\FLAT\5/8		2	EA.
24	5000003	WASH\LOCK\5/8		4	EA.
25	5000004	WASH\FLAT\1/2		4	EA.
26	5000006	WASH\LOCK\1/2		12	EA.
27	5000018	WASH\FLAT\1\10GA\1-1/2 O.D.		3	EA.
28	5000019	WASH\LOCK\3/8		14	EA.
29	5000032	WASH\MACH\2IDX10GA		1	EA.
30	6100076	SPRING\1-1/4ODX3-3/4 LX3/16WX10		1	EA.
31	6200020	KEY\SQ\3/8X2-1/4\HARDEND		1	EA.
32	6200061	KEY\SQ\1/2X2-1/4		1	EA.
33	8101077	RUBBER\CUSHION		2	EA.
34	8101078	BRKT\LIMIT\SPRING		1	EA.
35	8101084	MNT\IDLER\DRV\PTO		2	EA.
36	8101085	SHFT\DRV\CHAIN\PTO		1	EA.
37	8101116	BRKT\SPACER\IDLER\GRBX		1	EA.
38	8101307	RING\MNT\BRG		2	EA.

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2800 Drive Assembly (SN 0099 to 0288)

Item	Part No.	Name	Remarks	Qty	Uom
39	8101362	CVR\SERV\DRV\CHN		1	EA.
40	8101635	CASE\CHAIN\2800\GJ		1	EA.
41	8101636	SPCR\MNT\CHAIN\DRIVE		2	EA.
42	8101637	BRKT\IDLER\CHAIN\DRIVE		1	EA.
43	8101638	TUBE\RD\SPCR\CASE\CHAIN		2	EA.
44	8102167	ROD\ADJ\CHAIN		1	EA.
CA	8101634	HSG\CHAIN\W-FLG-BRG\2800			EA.
NS	1100064	CHAIN\60DBL\CL		1	EA.
NS	1100251	CHAIN\60DBL\163		1	EA.



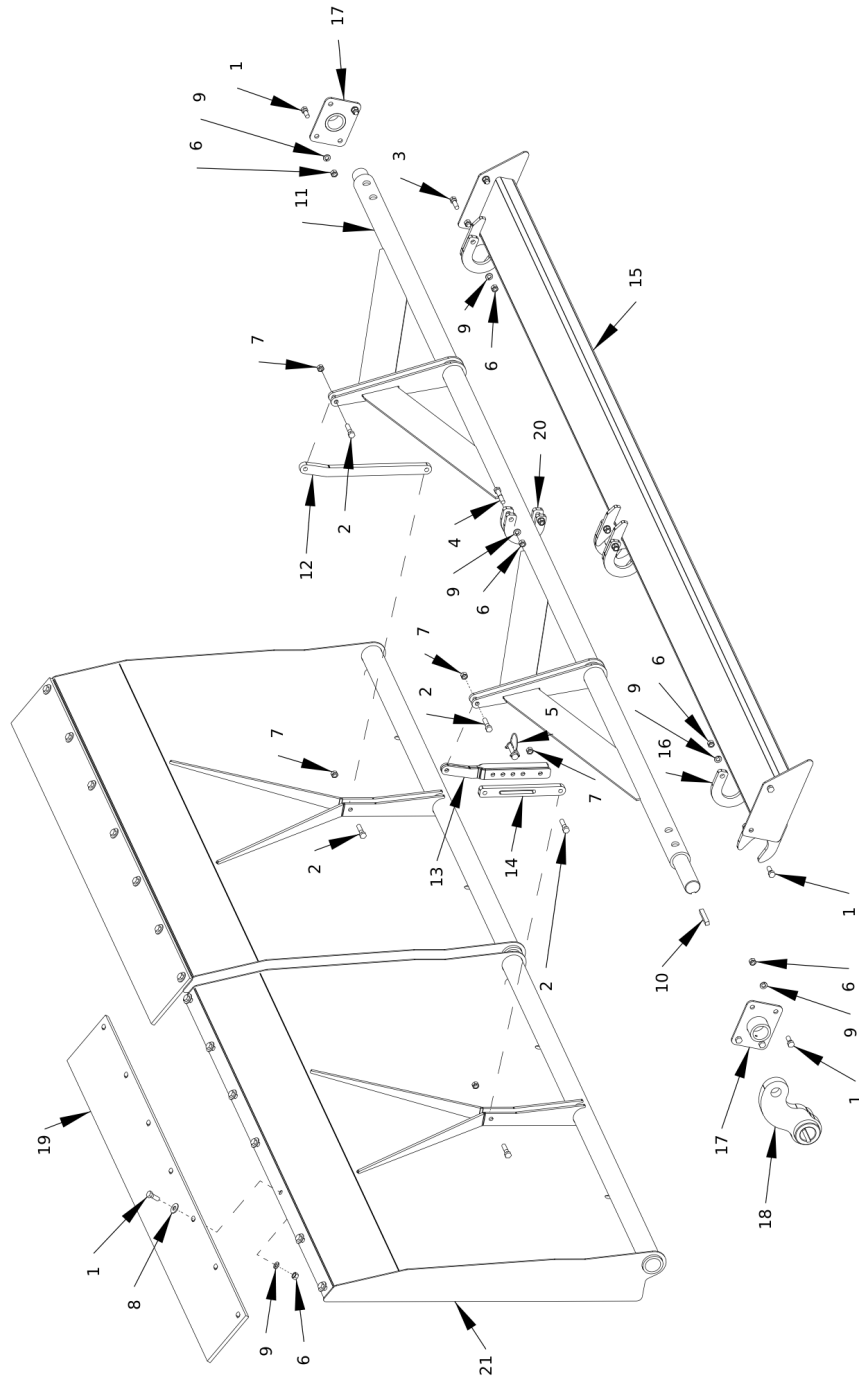
2800 Drive Assembly (Sn 0289 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
1	1000276	SPKT\B\80\15\HT\1\IDLER		2	EA.
2	1000278	SPKT\80\B\24\HT\1-3/4\3/8KW		1	EA.
3	1000301	SPKT\B\80\20\HT\2\1/2KW		1	EA.
4	2000339	BRG\FLG\CAST\PILOTED\1-3/4		2	EA.
5	2000340	BRG\FLG\CAST\PILOTED\2		1	EA.
6	3700769	HOSE\LUB\1/8X23\MPS-MPS		1	EA.
7	3700770	HOSE\LUB\1/8X8-1/2\MPS-MPS		1	EA.
8	3800043	FTG\LUB\1/8MPXZRK\SHORT		2	EA.
9	3800129	FTG\3/4MPX3/4FP\90\ST;EL		1	EA.
10	3800326	FTG\3/8MP\PLUG\ALN		2	EA.
11	3800452	FTG\3/4MP\VENT\BREATHER		1	EA.
12	3800895	FTG\1/8FP\CPLG\ANCHOR\5/8NF		2	EA.
13	3800896	FTG\O-RING\5/8IDX13/16OD		1	EA.
14	4800077	BOLT\HEX\1/2X5-1/2		2	EA.
15	4800155	BOLT\HEX\5/8X7		4	EA.
16	4800164	BOLT\HEX\3/8X3/4		14	EA.
17	4800178	BOLT\HEX\1/2X1-3/4		12	EA.
18	4800904	SNSPRNG\EXT\1"		2	EA.
19	4900001	NUT\HEX\1/2\NC		4	EA.
20	4900005	NUT\HEX\5/8\NC		5	EA.
21	4900014	NUT\TPLCK\1/2\NC		2	EA.
22	4900110	NUT\FLG\SERR\5/8\NC		1	EA.
23	5000002	WASH\FLAT\5/8		2	EA.
24	5000003	WASH\LOCK\5/8		4	EA.
25	5000004	WASH\FLAT\1/2		4	EA.
26	5000006	WASH\LOCK\1/2		12	EA.
27	5000018	WASH\FLAT\1\10GA\1-1/2 O.D.		1	EA.
28	5000019	WASH\LOCK\3/8		14	EA.
29	5000032	WASH\MACH\2IDX10GA		2	EA.
30	6100076	SPRING\1-1/4ODX3-3/4 LX3/16WX10		1	EA.
31	6200021	KEY\SQL\3/8X1-1/2\HARDEND		1	EA.
32	6200100	KEY\SQL\1/2X1-3/4		1	EA.
33	8101077	RUBBER\CUSHION		2	EA.
34	8101078	BRKT\LIMIT\SPRING		1	EA.
35	8101084	MNT\IDLER\DRV\PTO		2	EA.
36	8101085	SHFT\DRV\CHAIN\PTO		1	EA.
37	8101307	RING\MNT\BRG		2	EA.
38	8101362	CVR\SERV\DRV\CHN		1	EA.

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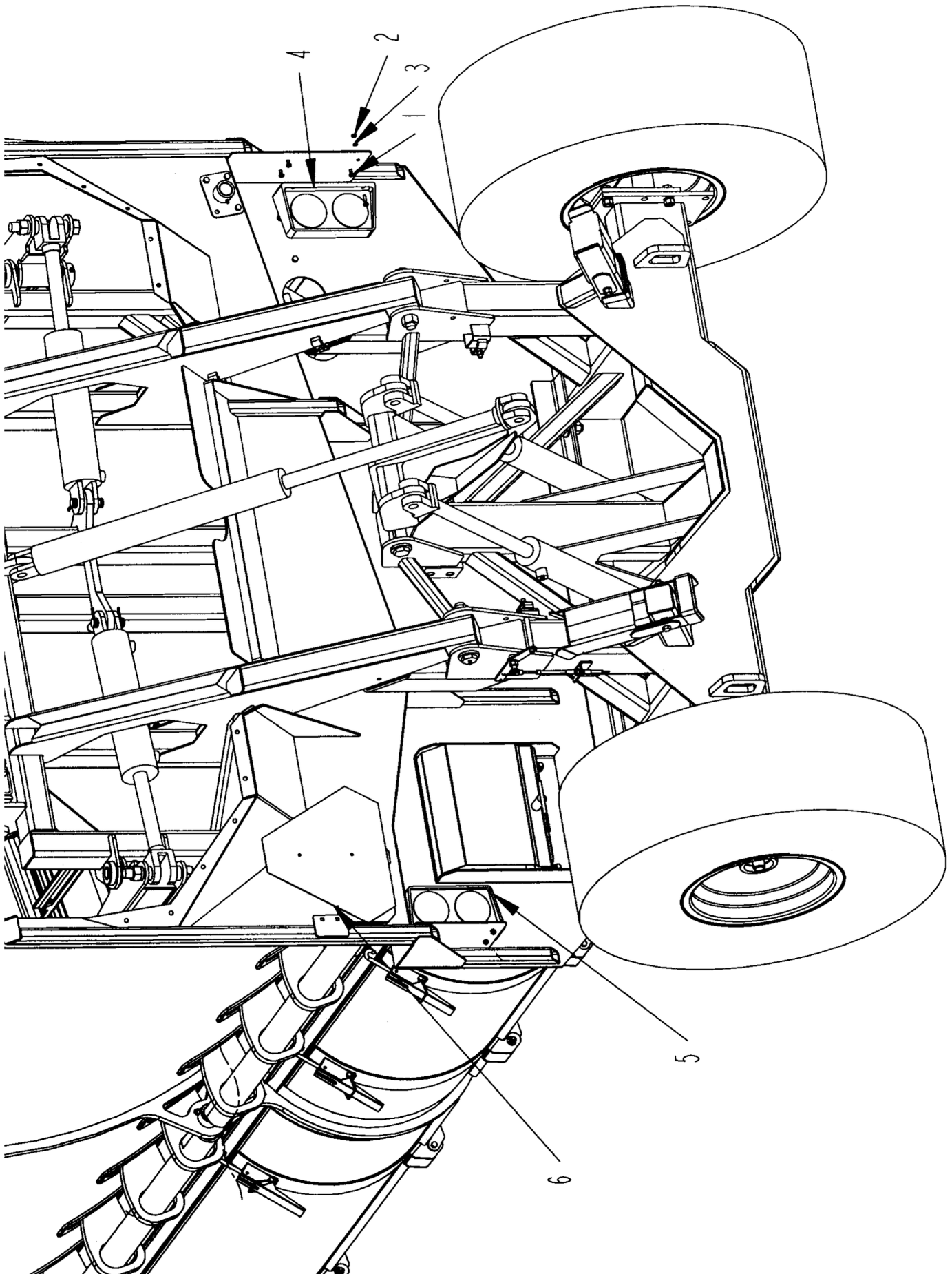
2800 Drive Assembly (Sn 0289 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
39	8101635	CASE\CHAIN\2800\GJ		1	EA.
40	8101636	SPCR\MNT\CHAIN\DRIVE		2	EA.
41	8101637	BRKT\IDLER\CHAIN\DRIVE		1	EA.
42	8101638	TUBE\RD\SPCR\CASE\CHAIN		1	EA.
43	8102167	ROD\ADJ\CHAIN		1	EA.
44	8102352	HSG\CHAIN\80H\2800		1	EA.
45	8102353	TUBE\SPACER\IDLER\GRBX		1	EA.
46	8102354	TUBE\SPCR\IDLER\GRBX		1	EA.
47	8102355	TUBE\SPCR\DR\GRBX		1	EA.
48	8102356	TUBE\SPCR\IDLER\GRBX		1	EA.
CA	8102352	HSG\CHAIN\80H\2800			EA.
NS	1100162	CHAIN\80H\CL		1	EA.
NS	1100333	CHAIN\80H\121\RLEE		1	EA.



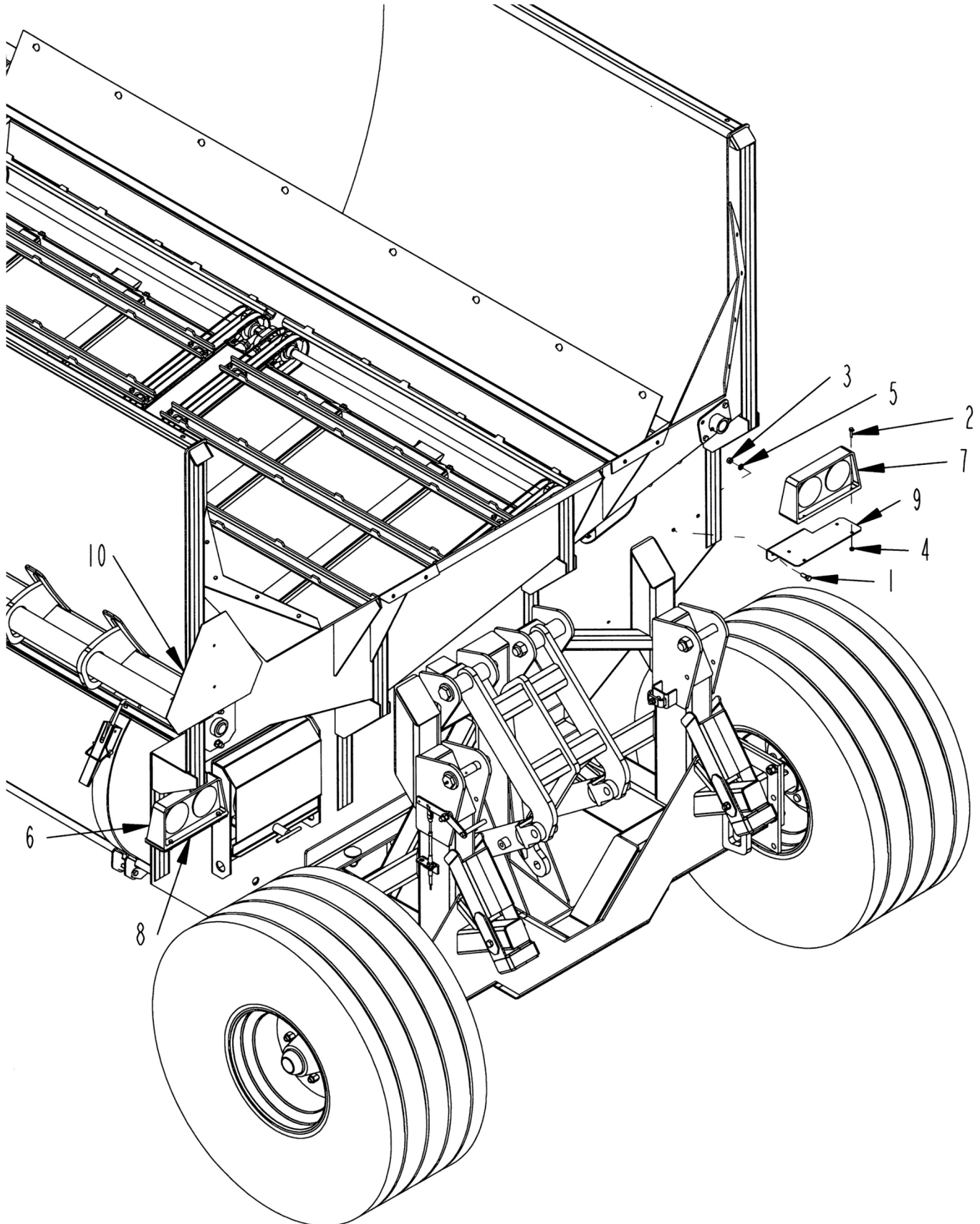
2800 Deflector Assembly

Item	Part No.	Name	Remarks	Qty	Uom
1	4800003	BOLT\HEX\3/8X1		24	EA.
2	4800034	BOLT\HEX\3/8X1-1/2		5	EA.
3	4800098	BOLT\HEX\3/8X1-1/4\NC		8	EA.
4	4800146	BOLT\HEX\3/8X2		2	EA.
5	4800609	PIN\LYNCH\3/8X1-3/4\W/_U_WIRE;KEEPER		1	EA.
6	4900002	NUT\HEX\3/8\NC		34	EA.
7	4900023	NUT\TPLCK\3/8\NC		5	EA.
8	5000001	WASH\FLAT\3/8		14	EA.
9	5000019	WASH\LOCK\3/8		33	EA.
10	6200020	KEY\SQL\3/8X2-1/4\HARDEND		1	EA.
11	8101373	SHFT\LINK\DFLCTR		1	EA.
12	8101374	PL\LINK\DFLCTR		1	EA.
13	8101376	LINK\ADJ\DFLCTR		1	EA.
14	8101377	PL\LINK\ADJ\DFLCTR		1	EA.
15	8101378	MNT\DFLTR		1	EA.
16	8101379	PL\MNT\C\DFLCTR		4	EA.
17	8101380	MNT\PVT\DFLCTR\CNTRL		2	EA.
18	8101382	ARM\DFLCTR\HYD		1	EA.
19	8101390	BELT\DFLCTR\6		2	EA.
20	8101509	PL\MNT\C\DFLCTR		2	EA.
21	8101970	DFLTR\2800		2	EA.



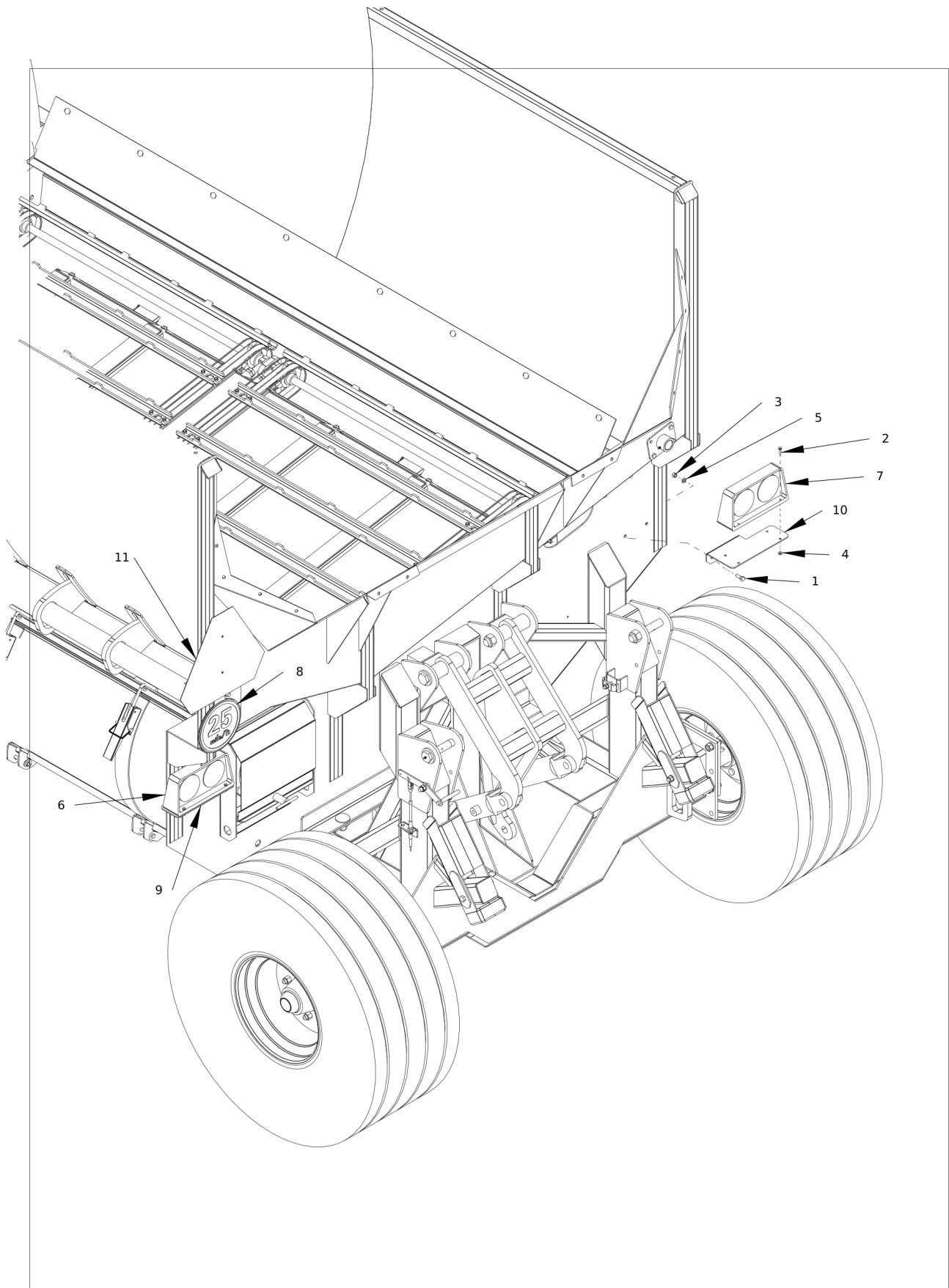
2800 Tail lights and SMV Sign (thru SN 0268)

Item	Part No.	Name	Remarks	Qty	Uom
1	4800277	BOLT\HEX\1/4X1		8	EA.
2	4900009	NUT\HEX\1/4\NC		8	EA.
3	5000024	WASH\LOCK\1/4		8	EA.
4	5700715	TAILLIGHT\RED;RIGHT\ASSY\4PIN	N/A (Order 5701285 and 5701283)	1	EA.
4LED	5701058	TAILLIGHT\RED;R\LED\ASSY\4PIN			EA.
5	5700716	TAILLIGHT\RED;LEFT\ASSY\4PIN	N/A (Order 5701285 and 5701283)	1	EA.
5LED	5701059	TAILLIGHT\RED;L\LED\ASSY\4PIN	N/A (Order 5701285 and 5701283)		EA.
6	7501353	SIGN\SMV\PLSTC-BCKNG		1	EA.
CA	5700925	KIT\LIGHT	(Includes #4, #5 & 5700924)		EA.
CA LED	5701079	KIT\LIGHT\LED\2-LIGHT\4-PIN	(Includes #4LED, #5LED and 5700924)		EA.
NS	5700924	HARN\TAIL;LIGHTS\SHREDDR\4PIN			EA.



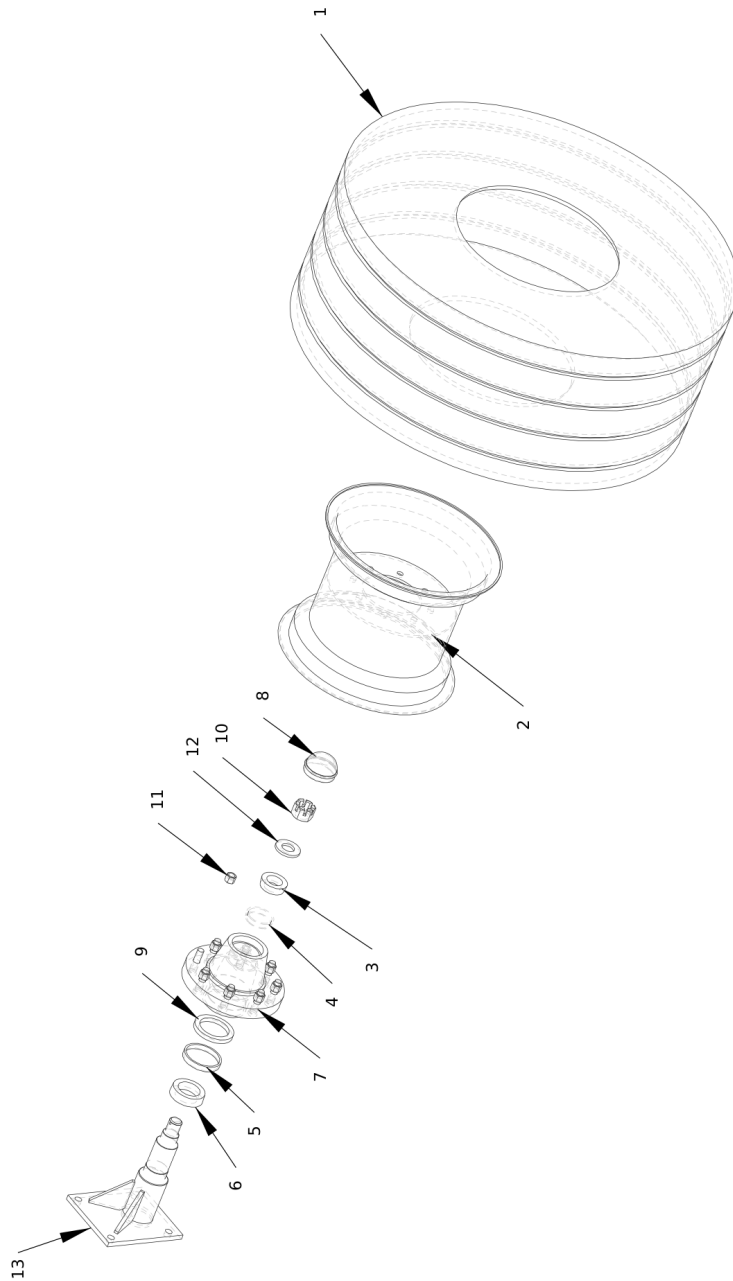
2800 Taillights, SMV Sign (SN 0269 thru 0308)

Item	Part No.	Name	Remarks	Qty	Uom
1	4800003	BOLT\HEX\3/8X1		4	EA.
2	4801321	BOLT\FLG\SERR\#10X1\NC		8	EA.
3	4900002	NUT\HEX\3/8\NC		4	EA.
4	4900190	NUT\FLG\SERR\#10\NC		8	EA.
5	5000019	WASH\LOCK\3/8		4	EA.
6	5701058	TAILLIGHT\RED;R\LED\ASSY\4PIN		1	EA.
7	5701059	TAILLIGHT\RED;L\LED\ASSY\4PIN	N/A (Order 5701285 and 5701283)	1	EA.
8	8102130	BRKT\TAILIGHT\2800		1	EA.
9	8102131	BRKT\TAILIGHT\2800		1	EA.
10	7501353	SIGN\SMV\PLSTC-BCKNG		1	EA.
CA	5701079	KIT\LIGHT\LED\2-LIGHT\4-PIN	(Includes 5701058, 5701059 & 5700924)		EA.
NS	5700904	HARN\TAIL;LIGHTS\SHREDDER			EA.



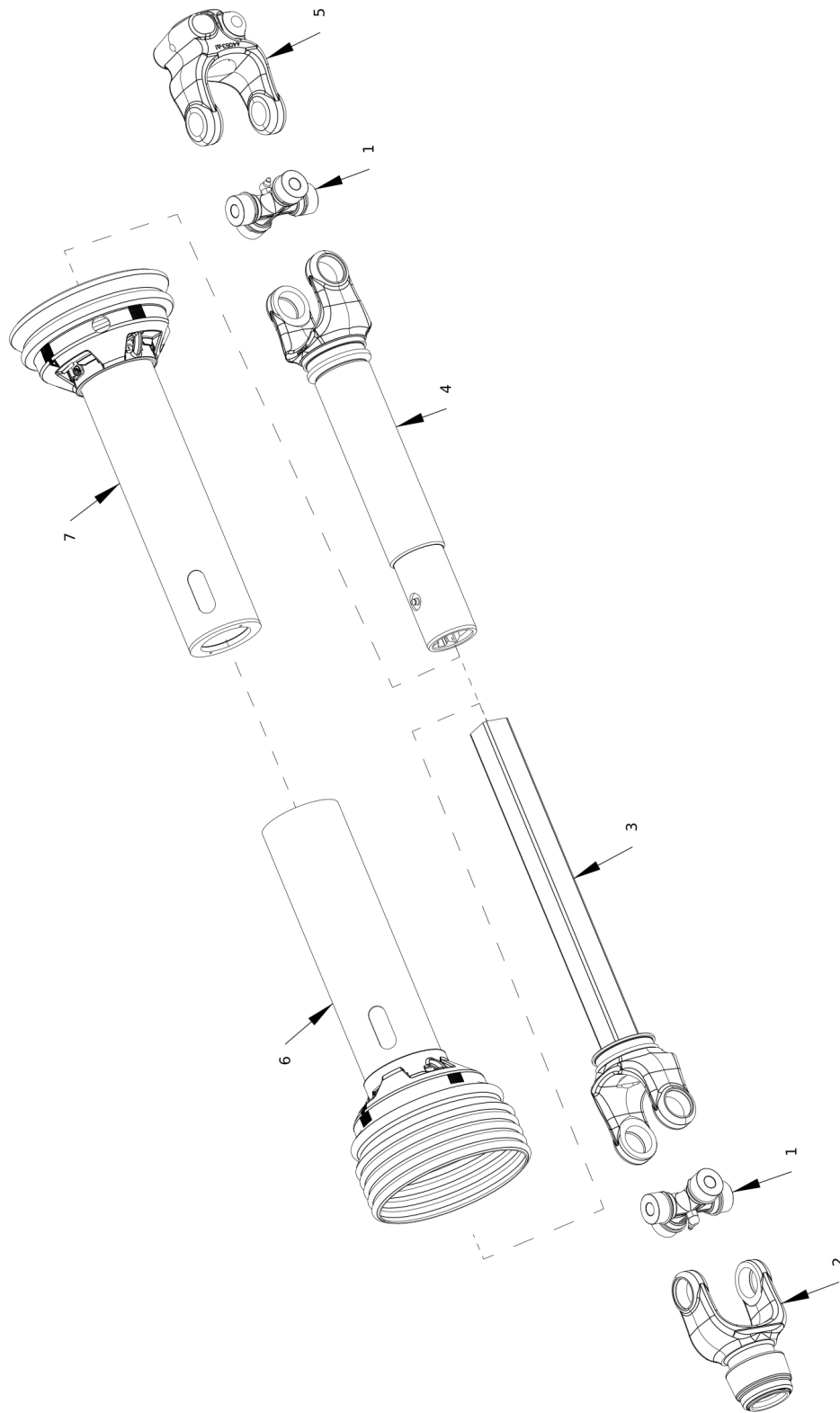
2800 Taillights, SMV Sign and Speed Indicator (For SN 309 & Up)

Item	Part No.	Name	Remarks	Qty	Uom
1	4800003	BOLT\HEX\3/8X1		4	EA.
2	4801321	BOLT\FLG\SERR\#10X1\NC		8	EA.
3	4900002	NUT\HEX\3/8\NC		4	EA.
4	4900190	NUT\FLG\SERR\#10\NC		8	EA.
5	5000019	WASH\LOCK\3/8		4	EA.
6	5701284	LGHT\TAIL\AMBER-LEFT\4PN-WP\LED		1	EA.
7	5701285	LGHT\TAIL\AMBER-RGHT\4PN-WP\LED		1	EA.
8	7501701	DECAL\ASSY\ID\SPD\25MPH/40KM/H		1	EA.
9	8102130	BRKT\TAILLIGHT\2800		1	EA.
10	8102131	BRKT\TAILLIGHT\2800		1	EA.
11	7501353	SIGN\SMV\PLSTC-BCKNG		1	EA.
NS	5700924	HARN\TAIL;LIGHTS\SHREDDR\4PIN			EA.
NS	5701283	HARN\JUMPER\4SQX4FLAT-WP			EA.
CA	5701289	KIT\LIGHT\LED\2-LIGHT\4-PIN:WP;FLAT	(Includes 5701283, 5701284 & 5701285)		EA.



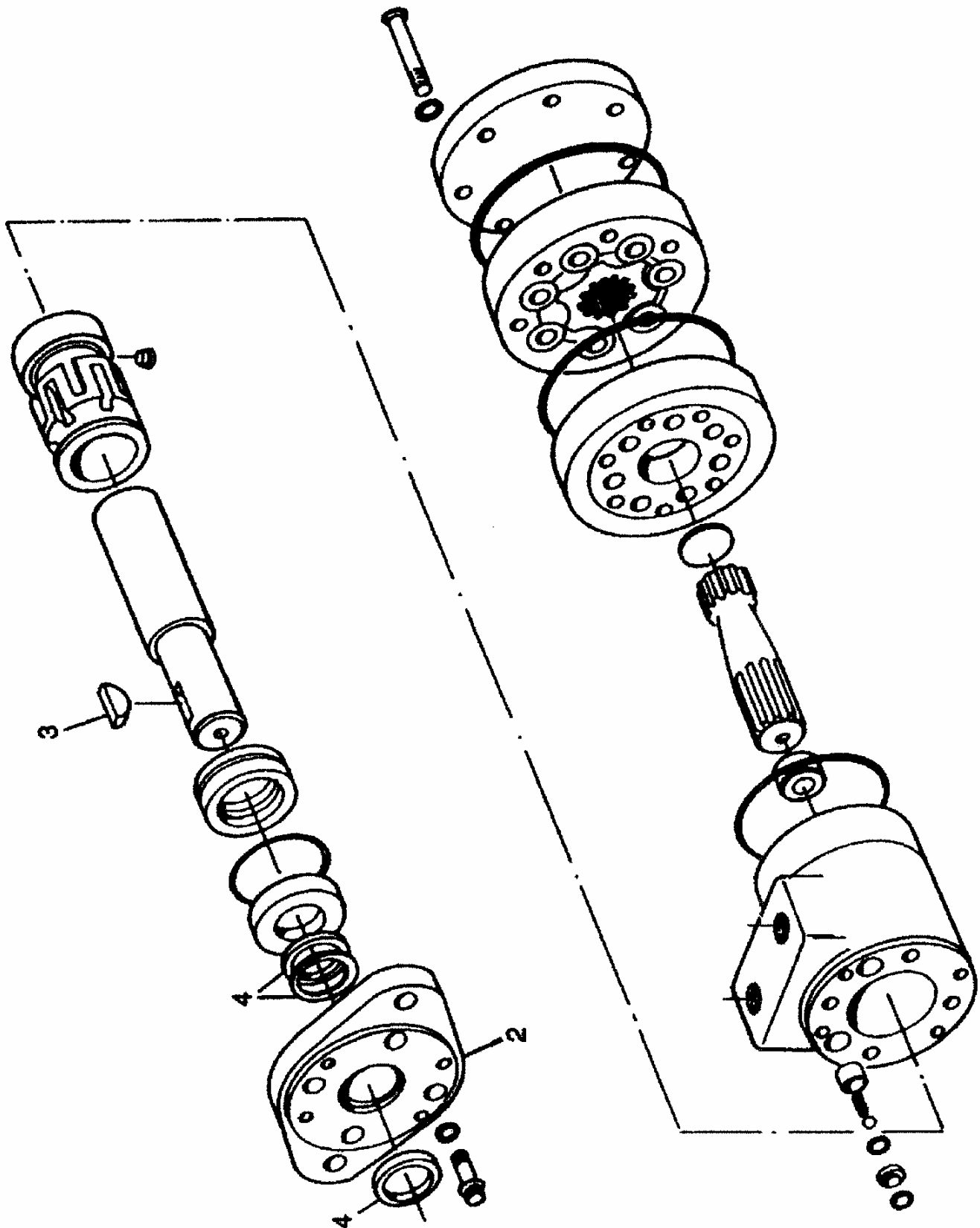
Wheels and Hubs

Item	Part No.	Name	Remarks	Qty	Uom
1	2600053	TIRE\16.5LX16.1SL\14PLY		1	EA.
2	2600649	WHL\8-BOLT\16.1X14C\8K		1	EA.
3	2900125	HUB\H817\CONC\OUTER (LM501349)		1	EA.
4	2900126	HUB\H817\CUPI\OUTER (LM501310)		1	EA.
5	2900127	HUB\H817\CUPI\INNER (382A)		1	EA.
6	2900128	HUB\H817\CONC\INNER (387A)		1	EA.
7	2900129	HUB\8-BOLT\W/RACES\W/NUTS		1	EA.
8	2900130	CAP\DUST\H817 (DC26)		1	EA.
9	2900131	SEAL\GREASE\H817 (SE42)		1	EA.
10	4900053	NUT\CASTLE\1-1/4\NF		1	EA.
11	4900114	NUT\TAPER\WHEEL\5/8\NF		8	EA.
12	5000133	WASH\SPNDL\1-5/16ID\2-1/2OD\1/4T		1	EA.
13	8101600	SPNDL\2800		1	EA.
CA	2600861	WHL\ASSY\16.5SLX16.1X14PLY8BOLT-WHL\16.1X14\3/8POS	(Includes #1 & #2)		EA.
CA	2900140	HUB\ASSY\H817\8BOLT\8"B.C.\6"PILOT	(Includes #3 thru #9 and #11)		EA.



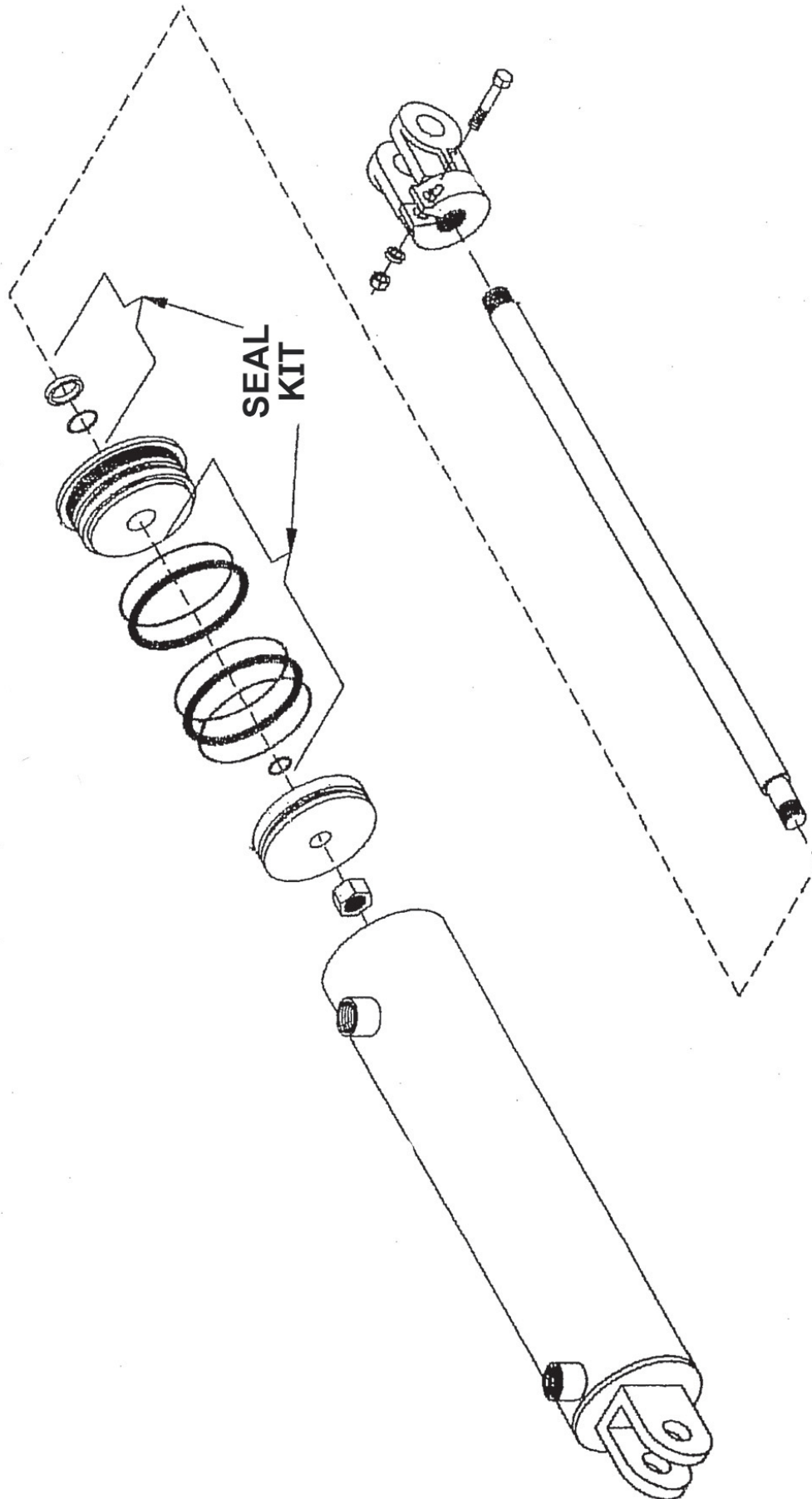
3600459 PTO Assembly

Item	Part No.	Name	Remarks	Qty	Uom
1	3600115	440 CROSS AND BEARING KIT		2	EA.
2	3600363	SLIDE LOCK YOKE ASSY		1	EA.
2A	3600390	YOKE\44\20SPL\1-3/4BORE\SAFETY SLIDE LOCK		1	EA.
3	3600364	YOKE & SHAFT 3600334		1	EA.
4	3600368	YOKE,TUBE,SLIP SLEEVE		1	EA.
5	3600369	YOKE 36-334 2544		1	EA.
6	3600460	GUARD\SET\PTO\3600459		1	EA.
7	3600460	GUARD\SET\PTO\3600459		1	EA.
CA	3600459	PTO\252-21797\44R			EA.
	3600453	JOINT\44\1-3/4BORE\ASSY	(Includes #1 & #5)		EA.
	3600462	JOINT & SHAFT ASM W-GUARD	(Includes #1, #2, #3 & #6)		EA.
	3600463	JOINT & TUBE ASY W-GUARD	(Includes #1, #4, #5, & #7)		EA.
NS	3600271	LOCK\SAFTY;SLID\KIT\1-3/8			EA.
NS	3600489	NYLON\REPAIR\KIT			EA.



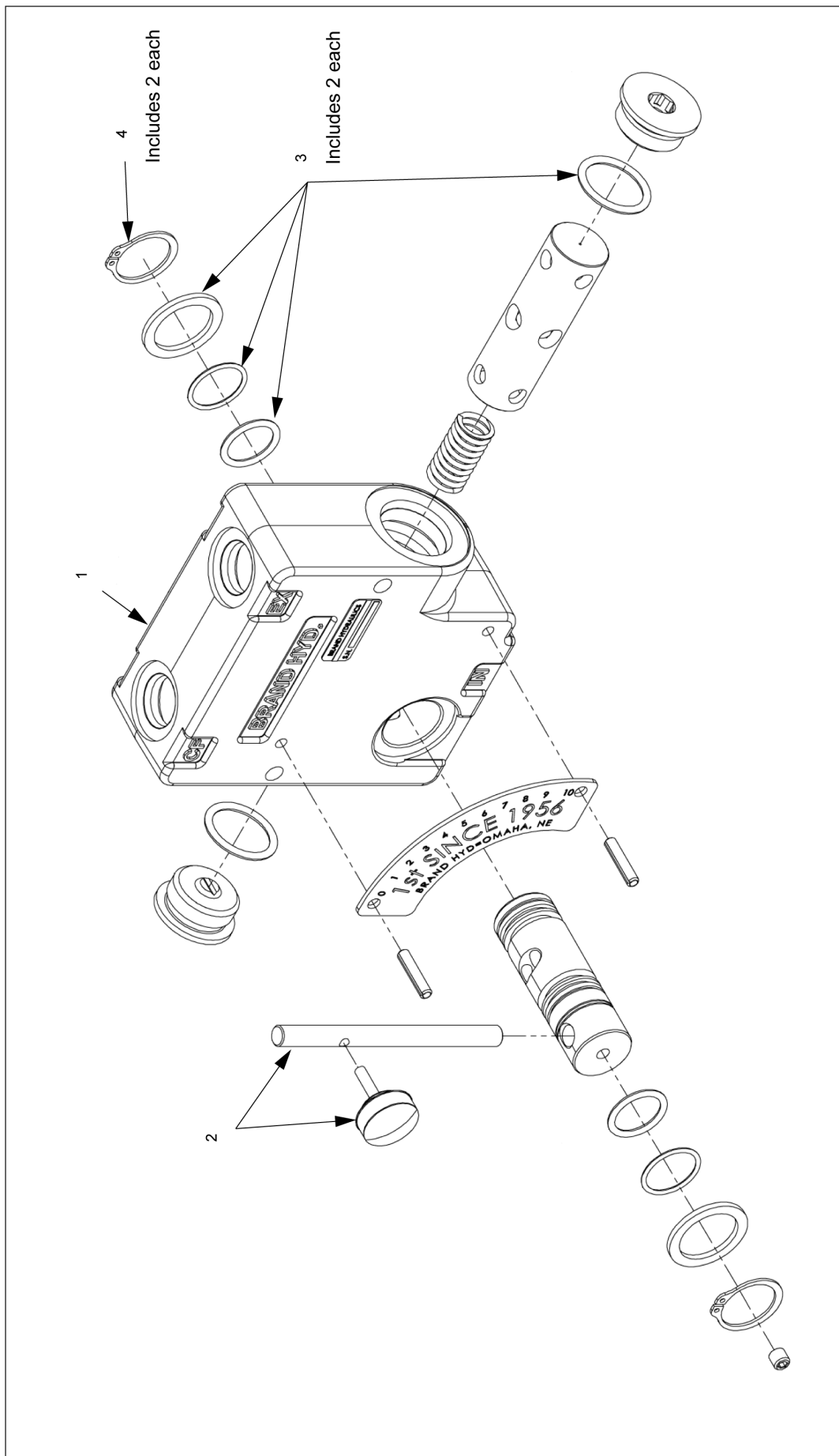
3900025 Orbit Motor Assembly

Item	Part No.	Name	Remarks	Qty	Uom
1	3900025	MOTOR\HYD\17.9\HAMNT\7/8FOR\1SHFT			EA.
2	3900002	MOUNTING FLANGE		1	EA.
3	6200011	KEY\WDF\1/4X1		1	EA.
4	7501038	UNI SEAL KIT 007-009		1	EA.



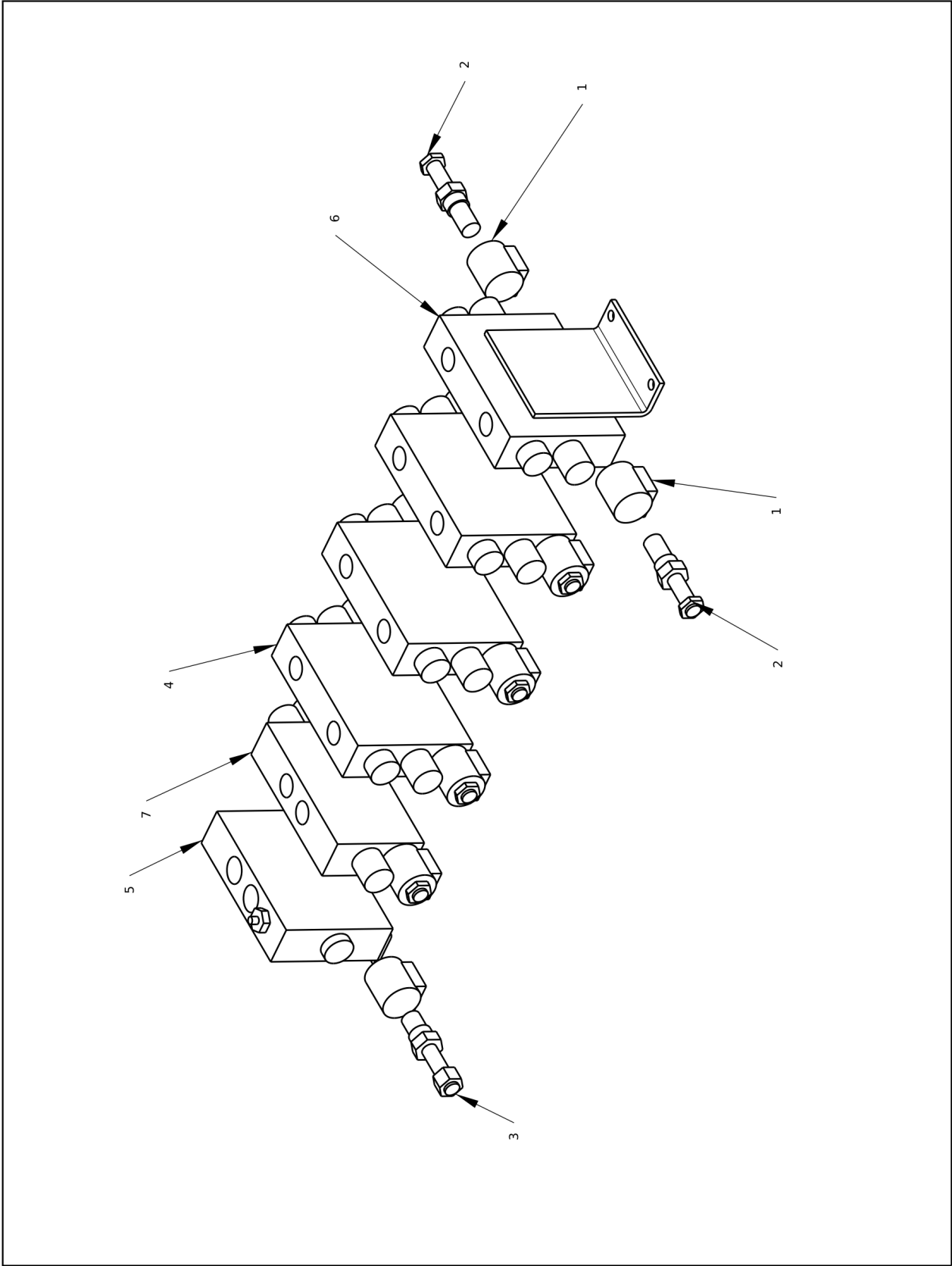
2800 Hydraulic Cylinder Assembly

Item	Part No.	Name	Remarks	Qty	Uom
	4100226	CYL\HYD\2X8\1-1/4RD\WELDED\#8ORB\INLINE W_PIN\CTD		1	EA.
	4100228	SEAL\KIT\2\1-1/4RD\CTD	Seal Kit for 4100226		EA.
	4100210	CYL\HYD\2X8\1-1/4RD\WELDED\#8ORB\INLINE W_PIN\RAM		1	EA.
	4100093	CYL\HYD\SEAL;KIT\2 X 8	Seal Kit for 4100210		EA.
	4100261	CYL\HYD\3X20\1-1/2ROD\PAR#8 O-RING PORT\CTD		1	EA.
	4100289	KIT\SEAL\CYL\HYD\3X20	Seal Kit for 4100261		EA.
	4100328	CYL\HYD\3X20\1-1/2ROD\PAR		1	EA.
	4100143	CYL\HYD\SEAL;KIT\3X1-1/2	Seal Kit for 4100328		EA.
	4100268	CYL\HYD\3-1/2X12\1-1/2ROD		1	EA.
	4100282	KIT\SEAL\CYL\HYD\3-1/2X12X1-1/2\CTD	Seal Kit for 4100268		EA.
	4100216	CYL\HYD\3-1/2X12\1-1/2ROD\3/4-16\ORB		1	EA.
	4100105	KIT\SEAL\CYL\HYD\3-1/2\RAM	Seal Kit for 4100216		EA.
	4100269	CYL\HYD\3X24\1-1/2ROD -CANADIAN TOOL & DIE		1	EA.
	4100227	KIT\SEAL\CYL\HYD\3X24\1-1/2RD\CTD-for 4100225	Seal Kit for 4100269		EA.
	4100250	CYL\HYD\3X24\1-1/2ROD -RAM INDUSTRIES		1	EA.
	4100143	CYL\HYD\SEAL;KIT\3X1-1/2	Seal Kit for 4100250		EA.



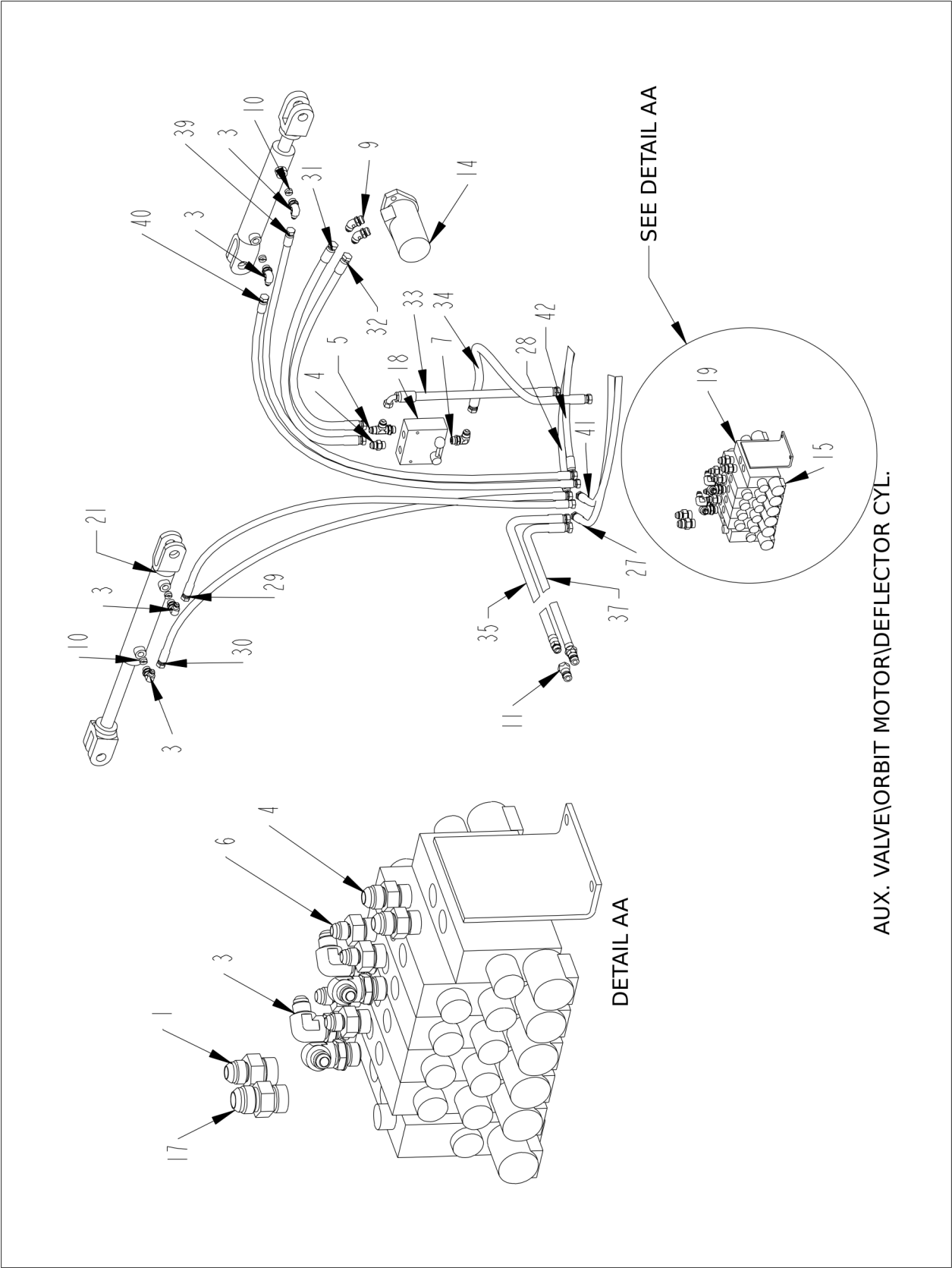
4000331-Flow Control Valve

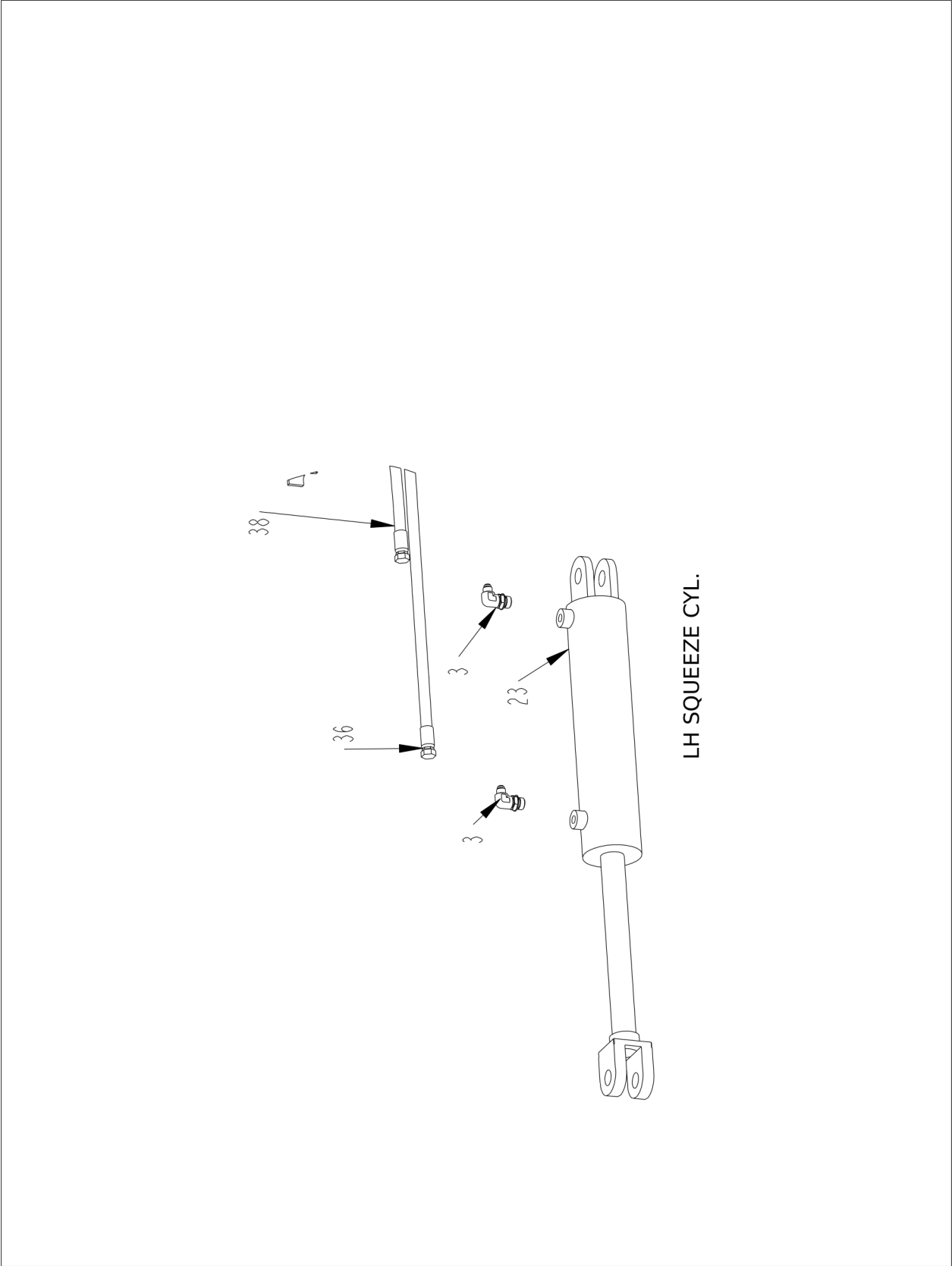
Item	Part No.	Name	Remarks	Qty	Uom
1	4000331	VALVE\FLW-CRTL\#8FOR			EA.
2	4000334	HDL\ASSY\HHD			EA.
3	4000335	SEAL\KIT\HHD			EA.
4	4000336	SNAP RING\HHD			EA.

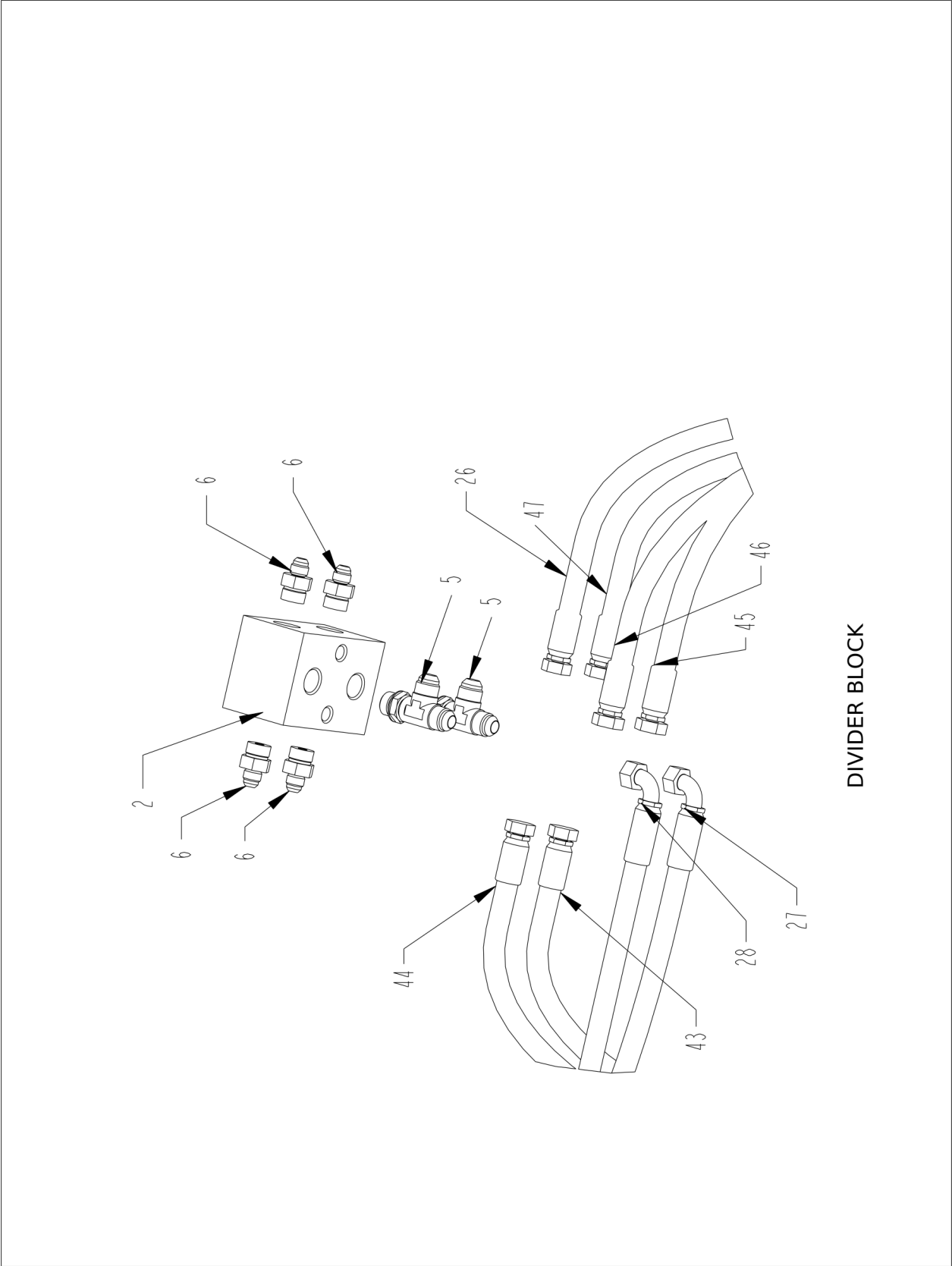


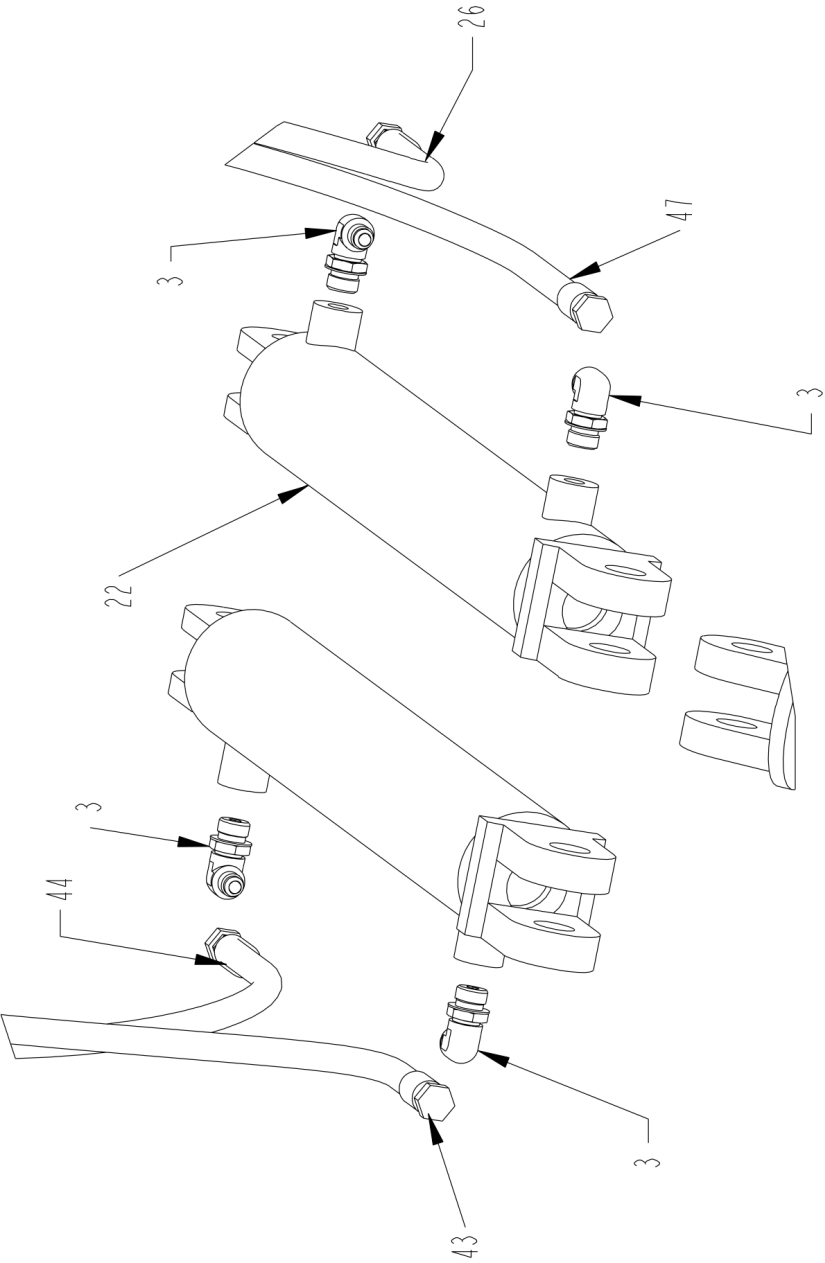
4000343 Hydraulic Valve

Item	Part No.	Name	Remarks	Qty	Uom
1	4000174	SOL\HYD\12VDC\HYDRAFORCE		11	EA.
2	4000176	VALVE\HYD\CART\WORK		10	EA.
3	4000179	VALVE\HYD\CART\UNLDR		1	EA.
4	4000197	VALVE\HYD\HIGHSEC\36SER		3	EA.
5	4000273	VALVE\HYD\UNLDR\36SER		1	EA.
6	4000284	VALVE\HYD\HIGHSEC\36\END		1	EA.
7	4000322	VALVE\HYD\LOWSEC\36SER		1	EA.
CA	4000343	VALVE\HYD\2800			EA.
NS	4000473	KIT\LOCK\LOAD	(for SN Up to 0198)		EA.
NS	4000537	VALVE\HYD\REPLACE\LOAD;LOCK\STEEL	(for SN 0205 & Up)		EA.

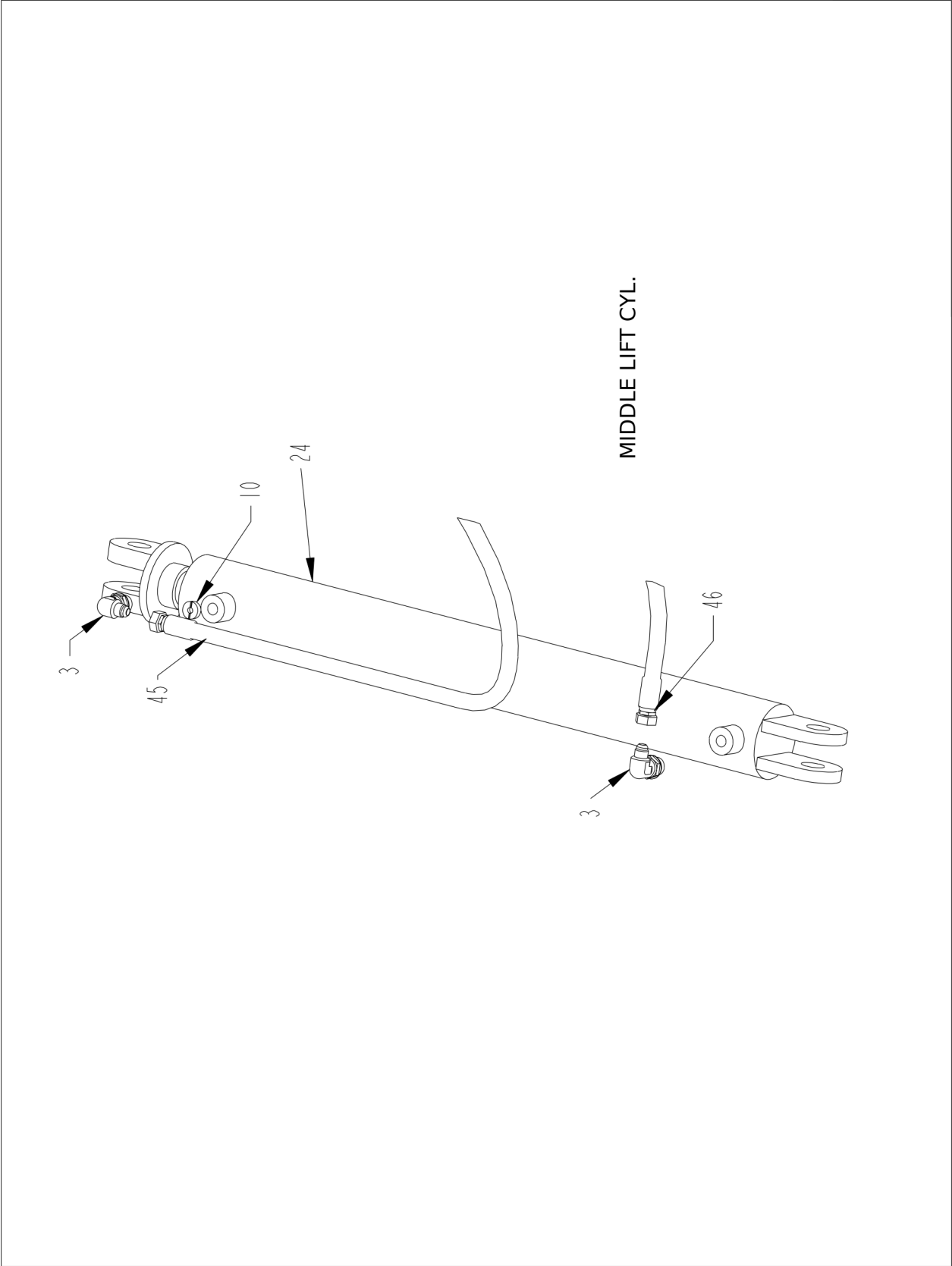


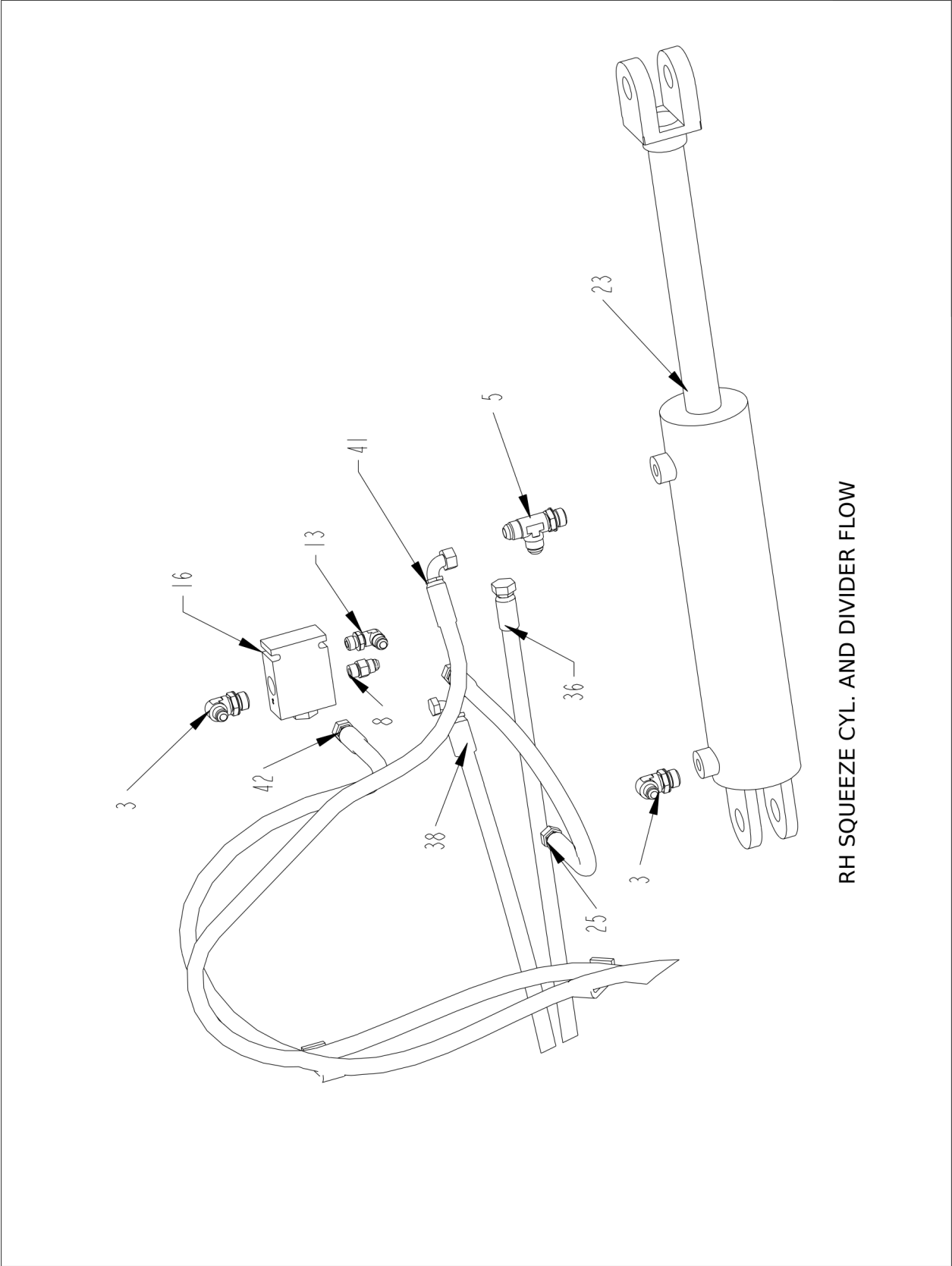






LH AND RH LIFT CYL.





RH SQUEEZE CYL. AND DIVIDER FLOW

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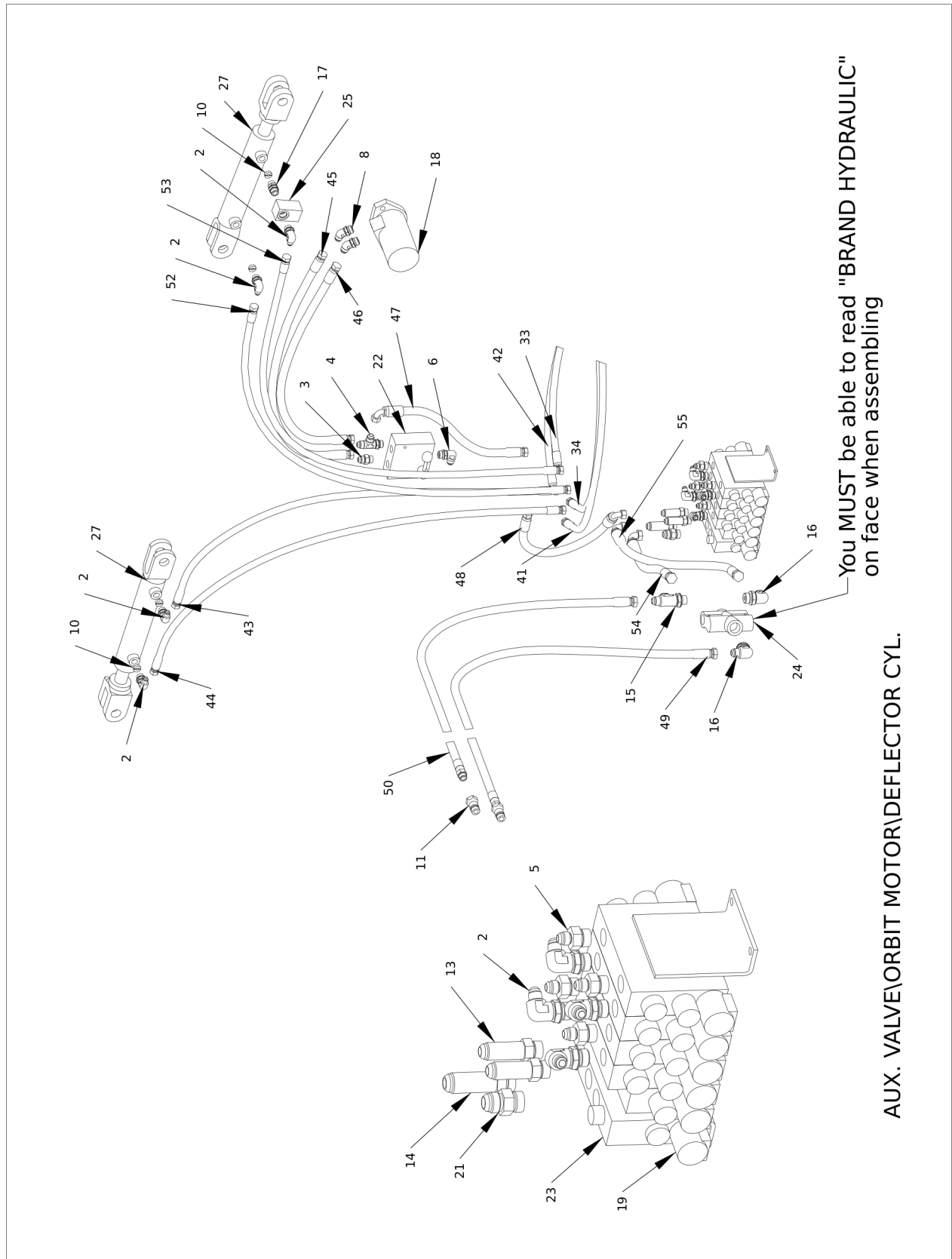
2800 Hydraulic Assembly (for SN Up to 0038)

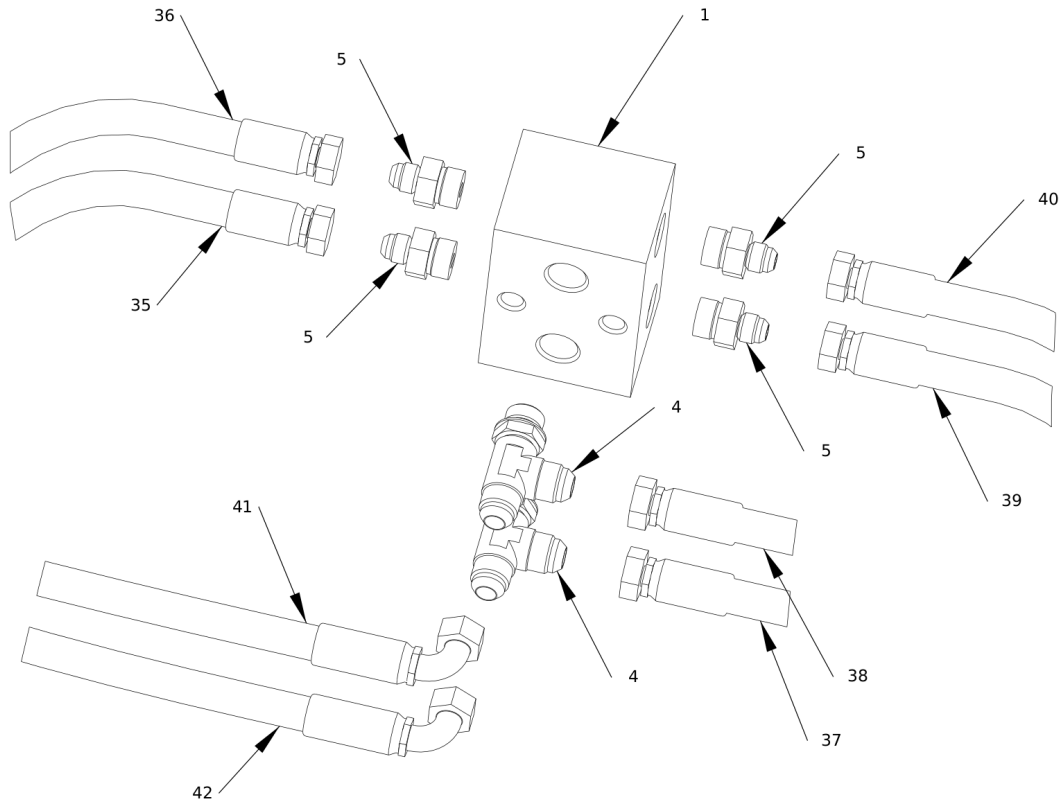
Item	Part No.	Name	Remarks	Qty	Uom
1	3800328	FTG\7\8MORX3\4MJIC\ADPT		1	EA.
2	3800428	MNFLD\DBL;TEE\BLK\3\4FOR		1	EA.
3	3800453	FTG\3\4MORX9\16MJIC\90		16	EA.
4	3800477	FTG\3\4MORX3\4MJIC\ADPT		3	EA.
5	3800483	FTG\3\4MORX3\4MJICX3\4MJIC\RUN;TEE		4	EA.
6	3800530	FTG\3\4MORX9\16MJIC\ST		6	EA.
7	3800537	FTG\3\4MORX3\4MJIC\90		1	EA.
8	3800631	FTG\9\16MORX9\16MJIC\ST		1	EA.
9	3800675	FTG\7\8MORX3\4MJIC\45		2	EA.
10	3800683	FTG\3\4MOR\ORFICE\0.0490"		3	EA.
11	3800694	FTG\3\4FOR\QUICK;CPLR\FEMALE		2	EA.
12	3800698	FTG\3\4MORX1\2BARB\MOTION		2	EA.
13	3800757	FTG\9\16MORX9\16MJIC\90		1	EA.
14	3900025	MOTOR\HYD\17.9\HAMNT\7\8FOR\1SHFT		1	EA.
15	4000174	SOL\HYD\12VDC\HYDRAFORCE		4	EA.
16	4000280	VLV\HYD\DIV\FLOW		1	EA.
17	4000288	FTG\7\8MORX7\8MJIC\ST\CHCK		1	EA.
18	4000331	VALVE\FLW-CRTL\#8FOR		1	EA.
19	4000332	VLV\HYD\2800		1	EA.
20	4700776	CLMP\HOSE\3\8		16	EA.
21	4100226	CYL\HYD\2X8\1-1/4RDWELDED\#8ORB\INLINE W_PIN\CTD		2	EA.
22	4100261	CYL\HYD\3X20\1-1/2ROD\PAR#8 O-RING PORT\CTD		2	EA.
23	4100268	CYL\HYD\3-1/2X12\1-1/2ROD		2	EA.
24	4100269	CYL\HYD\3X24\1-1/2ROD -CANADIAN TOOL & DIE		1	EA.
25	3701060	HOSE\HYD\3\8X20\9\16FJICS	(FLOW DIV. TO CAP END OF LH SQUEEZE CYL.)	1	EA.
26	3701065	HOSE\HYD\3\8X30\9\16FJICS	(CAP END RH LIFT CYL TO DIV. BLOCK UPPER PORT)	1	EA.
27	3701439	HOSE\HYD\3\8X139\3\4FJC90X9\16FJC	(DIVIDER BLOCK LOWER PORT TO AUX. VALVE)	1	EA.
28	3701439	HOSE\HYD\3\8X139\3\4FJC90X9\16FJC	(DIVIDER BLOCK UPPER PORT TO AUX. VALVE)	1	EA.
29	3701064	HOSE\HYD\3\8X37\9\16FJICS	(CAP END DEFLECTOR CYL. TO AUX. VALVE)	1	EA.
30	3701072	HOSE\HYD\3\8X56.5\9\16FJICS	(ROD END DEFLECTOR CYL. TO AUX. VALVE)	1	EA.
31	3701073	HOSE\HYD\1\2X35.5\3\4FJICS	(OBT MOTOR TO CF FLOW CONTROL)	1	EA.
32	3701073	HOSE\HYD\1\2X35.5\3\4FJICS	(ORBIT MOTOR TO TEE ON EF FLOW CONTROL)	1	EA.
33	3700982	HOSE\HYD\1\2X 20\3\4FJICX3\4FJIC	(EF OF FLOW CONTROL TO AUX. VALVE)	1	EA.

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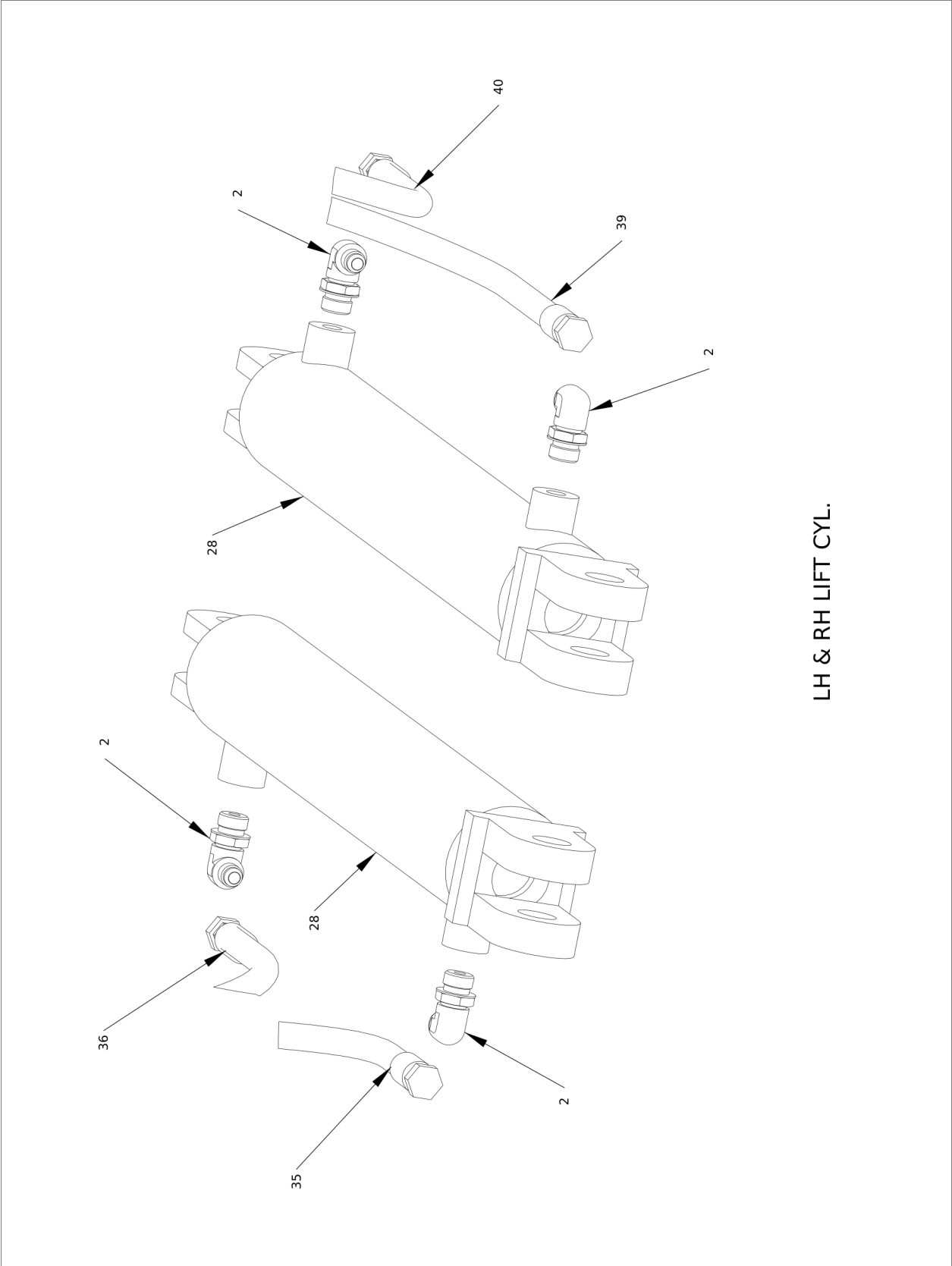
2800 Hydraulic Assembly (for SN Up to 0038)

Item	Part No.	Name	Remarks	Qty	Uom
34	3701076	HOSE\HYD\1\2X21\3\4FJICS	(IN PORT OF FLOW CONTROL TO AUX. VALVE)	1	EA.
35	3701077	HOSE\HYD\1\2X110\7\8FJICX3\4MOR	(AUX. VALVE TO TRACTOR)	1	EA.
36	3701061	HOSE\HYD\3\8X47\3\4FJICX9\16FJIC	(ROD END SQUEEZE CYL. TO ROD END SQUEEZE CYL.)	1	EA.
37	3701077	HOSE\HYD\1\2X110\7\8FJICX3\4MOR	(AUX. VALVE TO TRACTOR)	1	EA.
38	3701078	HOSE\HYD\3\8X26\9\16FJICX9\16FJIC\90	(FLOW DIV. TO CAP END OF RH SQUEEZE CYL.)	1	EA.
39	3701079	HOSE\HYD\3\8X60\9\16FJICS	(ROD END SLUGBAR TO AUX VALVE)	1	EA.
40	3701080	HOSE\HYD\3\8X70\9\16FJICS	(CAP END SLUGBAR TO AUX VALVE)	1	EA.
41	3701062	HOSE\HYD\3\8X243\9\16FJICX3\4FJIC\90	(ROD END SQUEEZE CYL. TO FRONT AUX. VALVE)	1	EA.
42	3701063	HOSE\HYD\3\8X243\9\16FJICS	(FLOW DIV. TO AUX. VALVE SQUEEZE)	1	EA.
43	3701064	HOSE\HYD\3\8X37\9\16FJICS	(ROD END LH LIFT CYL. TO DIV. BLOCK LOWER PORT)	1	EA.
44	3701065	HOSE\HYD\3\8X30\9\16FJICS	(CAP END LH LIFT CYL. TO DIVIDER BLOCK UPPER PORT)	1	EA.
45	3701066	HOSE\HYD\3\8X137\3\4FJIC-9\16FJIC	(ROD END MIDDLE CYL. TO TEE)	1	EA.
46	3701067	HOSE\HYD\3\8X110\3\4FJIC-9\16FJIC	(CAP END MIDDLE CYL. TO TEE)	1	EA.
47	3701064	HOSE\HYD\3\8X37\9\16FJICS	(ROD END RH LIFT CYL TO DIV. BLOCK LOWER PORT)	1	EA.

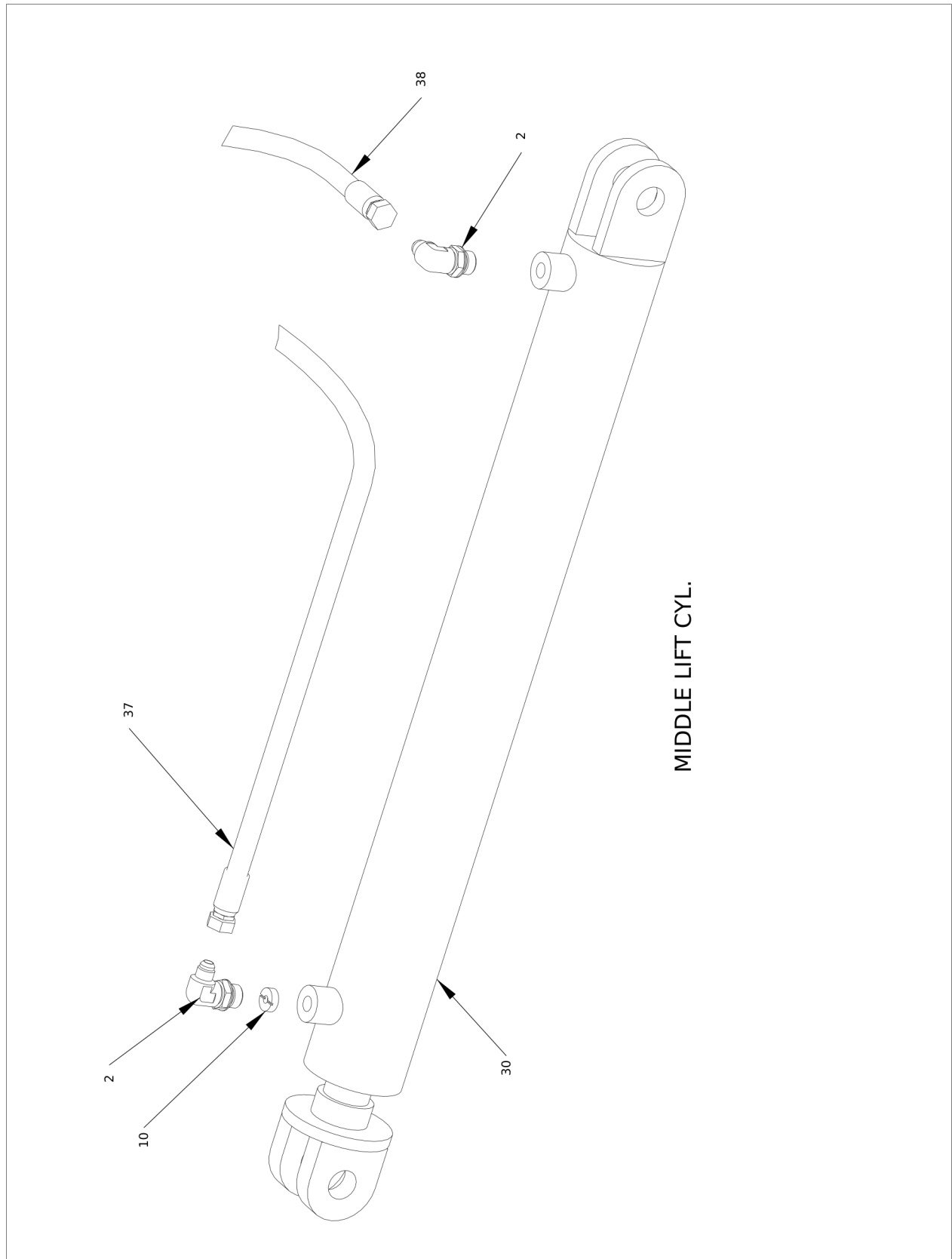


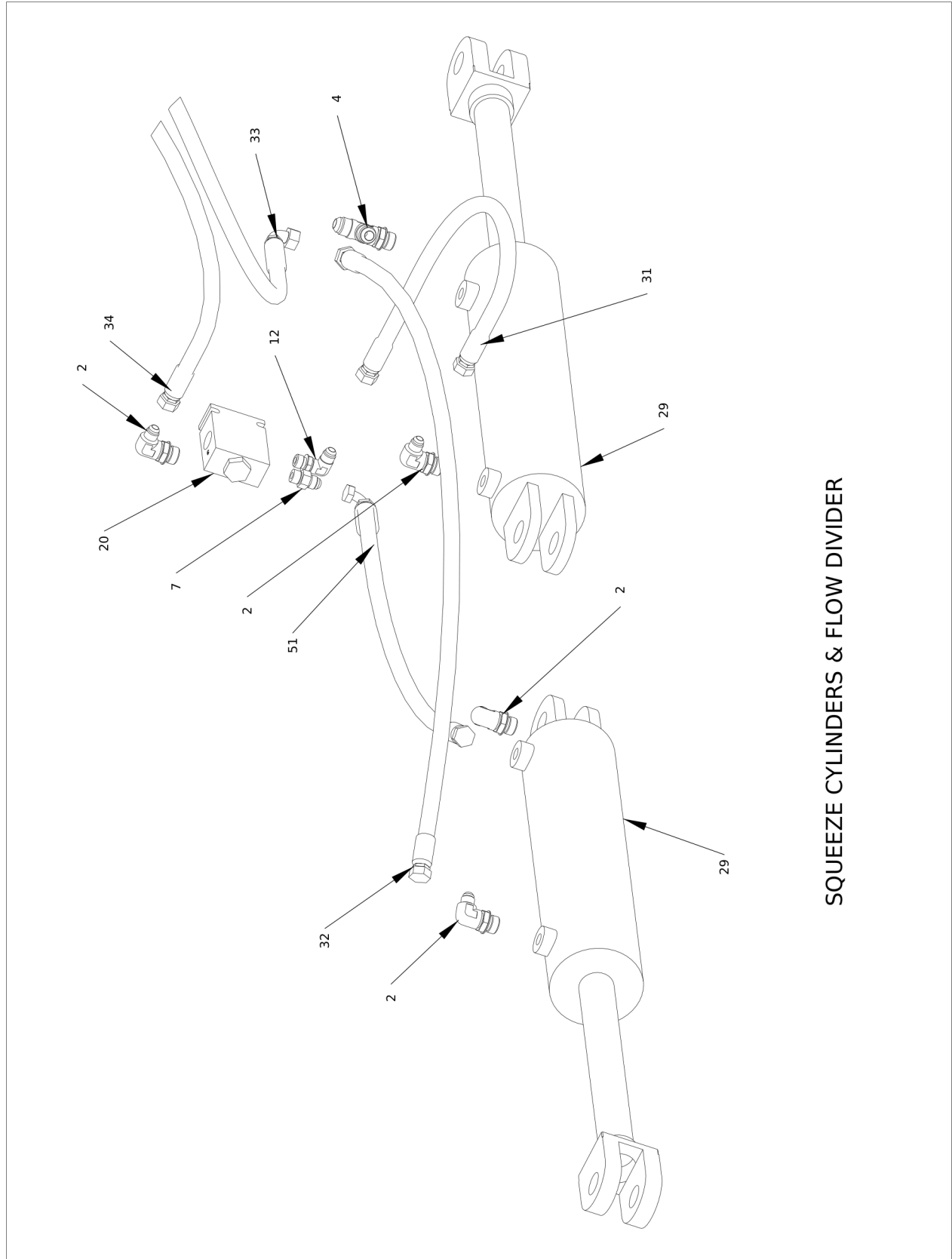


DIVIDER BLOCK



LH & RH LIFT CYL.





SQUEEZE CYLINDERS & FLOW DIVIDER

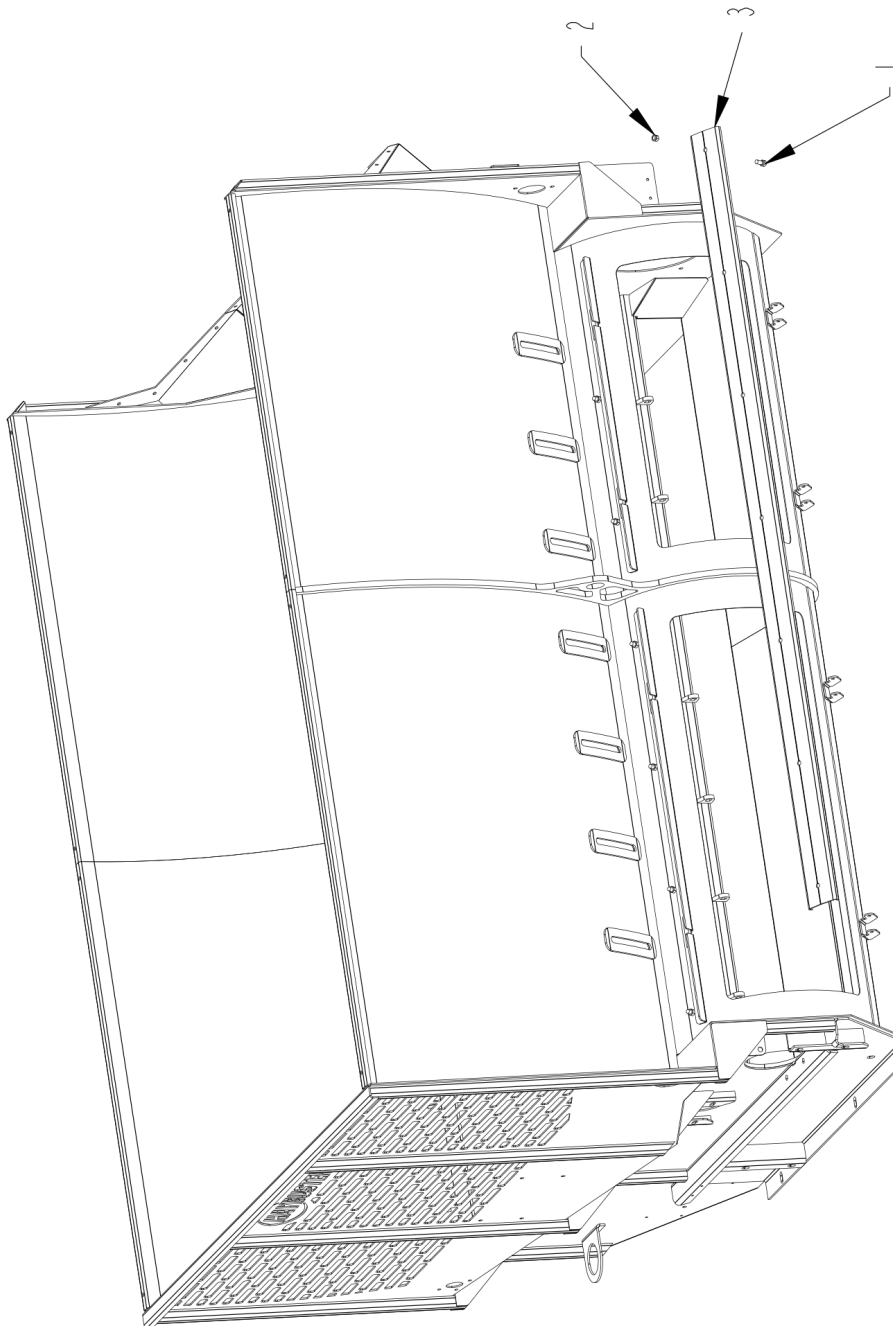
2800 Hydraulic Assembly (Sn 0039 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
1	3800428	MNFLD\DBL;TEE\BLK\3/4FOR		1	EA.
2	3800453	FTG\3/4MORX9/16MJIC\90		18	EA.
3	3800477	FTG\3/4MORX3/4MJIC\ADPT		1	EA.
4	3800483	FTG\3/4MORX3/4MJICX3/4MJIC\RUN;TEE		4	EA.
5	3800530	FTG\3/4MORX9/16MJIC\ST		8	EA.
6	3800537	FTG\3/4MORX3/4MJIC\90		1	EA.
7	3800631	FTG\9/16MORX9/16MJIC\ST		1	EA.
8	3800675	FTG\7/8MORX3/4MJIC\45		2	EA.
10	3800683	FTG\3/4MOR\ORFICE\0.0490"		5	EA.
11	3800694	FTG\3/4FOR\QUICK;CPLR\FEMALE		2	EA.
12	3800757	FTG\9/16MORX9/16MJIC\90		1	EA.
13	3800889	FTG\3/4MORX3/4MJIC\ST		2	EA.
14	3800890	FTG\7/8MORX7/8MJIC\STLONG		1	EA.
15	3800891	FTG\1-1/16MORX7/8MJICX7/8MJIC\RUN;TEE		1	EA.
16	3800892	FTG\1-1/16MORX7/8MJIC\90		2	EA.
17	3800940	FTG\3/4MORX3/4MOR\ADPT	(for SN 0219 & UP)	1	EA.
18	3900025	MOTOR\HYD\17.9\HAMNT\7/8FOR\1SHFT		1	EA.
19	4000174	SOL\HYD\12VDC\HYDRAFORCE		11	EA.
20	4000280	VLV\HYD\DIV\FLOW		1	EA.
21	4000288	FTG\7/8MORX7/8MJIC\STCHCK		1	EA.
22	4000331	VALVE\FLW-CRTL\#8FOR		1	EA.
23	4000343	VALVE\HYD\2800		1	EA.
24	4000345	VLV\HYD\CNTRL\FLOW\12GPM		1	EA.
25	4000544	VALVE\HYD\RELIEF\THERMAL	(for SN 0219 & UP)	1	EA.
26	4700776	CLMP\HOSE\3/8		16	EA.
27	4100226	CYL\HYD\2X8\1-1/4RD\WELDED\#8ORB\INLINE W_PIN\CTD		2	EA.
27A	4100210	CYL\HYD\2X8\1-1/4RD\WELDED\#8ORB\INLINE W_PIN\RAM			EA.
28	4100261	CYL\HYD\3X20\1-1/2ROD\PAR#8 O-RING PORT\CTD		2	EA.
28A	4100328	CYL\HYD\3X20\1-1/2ROD\PAR			EA.
29	4100268	CYL\HYD\3-1/2X12\1-1/2ROD		2	EA.
29A	4100216	CYL\HYD\3-1/2X12\1-1/2ROD\3/4-16\ORB			EA.
30	4100269	CYL\HYD\3X24\1-1/2ROD -CANADIAN TOOL & DIE		1	EA.
30A	4100250	CYL\HYD\3X24\1-1/2ROD -RAM INDUSTRIES			EA.
31	3701060	HOSE\HYD\3/8X20\9/16FJICS	(FLOW DIV. TO CAP END OF LH SQUEEZE CYL)	1	EA.
32	3701061	HOSE\HYD\3/8X47\3/4FJICX9/16FJIC	(ROD END SQUEEZE CYL TO ROD END SQUEEZE CYL TEE)	1	EA.

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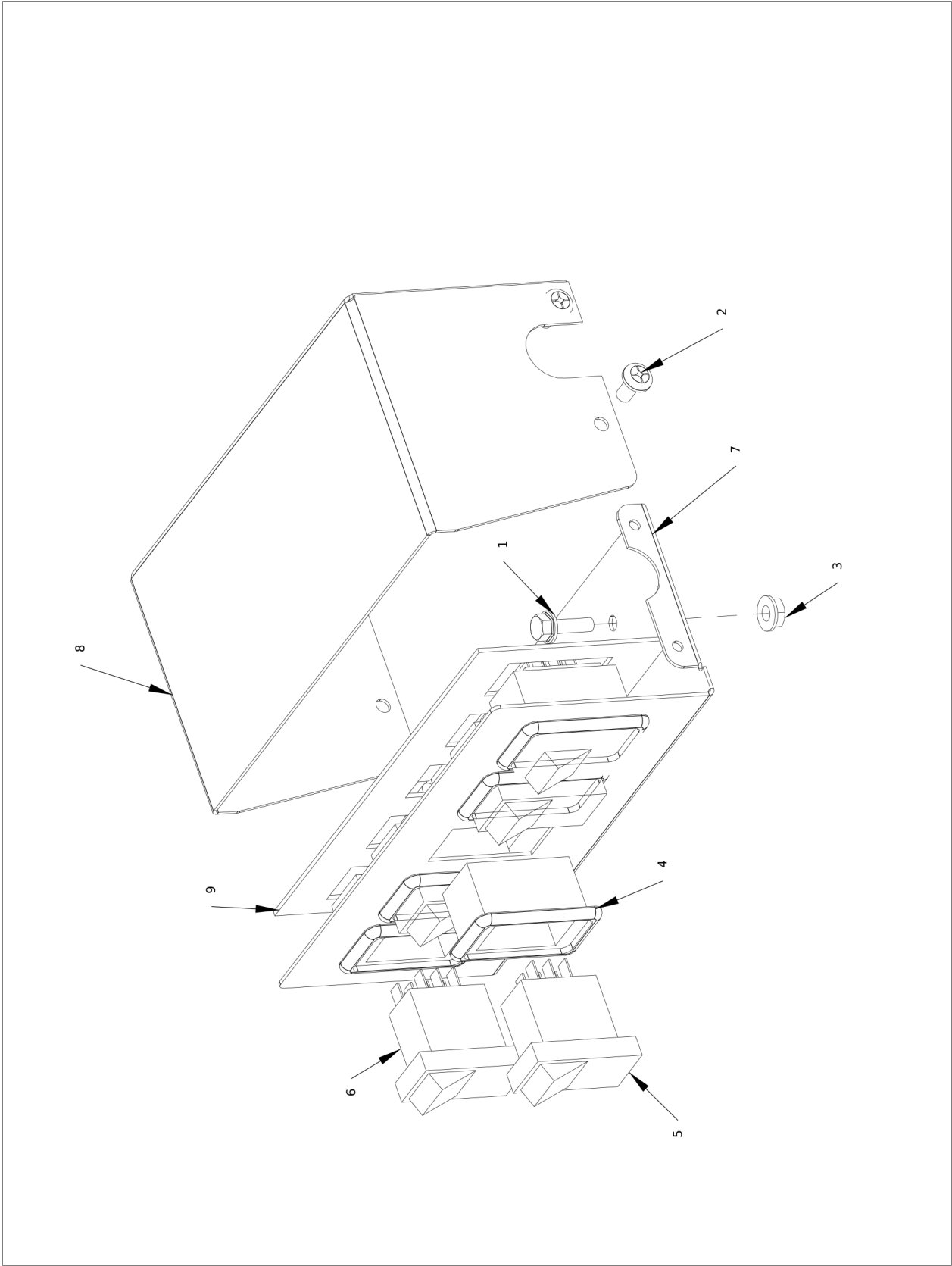
2800 Hydraulic Assembly (Sn 0039 and Up)

Item	Part No.	Name	Remarks	Qty	Uom
33	3701062	HOSE\HYD\3\8X243\9\16FJICX3\4FJIC\90	(ROD END SQUEEZE CYL. TO FRONT AUX. VALVE)	1	EA.
34	3701063	HOSE\HYD\3\8X243\9\16FJICS	(FLOW DIV. TO AUX. VALVE SQUEEZE)	1	EA.
35	3701064	HOSE\HYD\3\8X37\9\16FJICS	(ROD END RH LIFT CYL TO DIV. BLOCK LOWER PORT)	1	EA.
36	3701065	HOSE\HYD\3\8X30\9\16FJICS	(CAP END LH LIFT CYL. TO DIVIDER BLOCK UPPER PORT)	1	EA.
37	3701066	HOSE\HYD\3\8X137\3\4FJIC-9\16FJIC	(ROD END MIDDLE CYL. TO TEE)	1	EA.
38	3701067	HOSE\HYD\3\8X110\3\4FJIC-9\16FJIC	(CAP END MIDDLE CYL. TO TEE)	1	EA.
39	3701064	HOSE\HYD\3\8X37\9\16FJICS	(ROD END RH LIFT CYL TO DIV. BLOCK LOWER PORT)	1	EA.
40	3701065	HOSE\HYD\3\8X30\9\16FJICS	(CAP END RH LIFT CYL TO DIV. BLOCK UPPER PORT)	1	EA.
41	3701070	HOSE\HYD\3\8X182\9\16FJICX3\4FJIC\90	(DIVIDER BLOCK LOWER PORT TO AUX. VALVE)	1	EA.
42	3701070	HOSE\HYD\3\8X182\9\16FJICX3\4FJIC\90	(DIVIDER BLOCK UPPER PORT TO AUX. VALVE)	1	EA.
43	3701071	HOSE\HYD\3\8X47\9\16FJICS	(CAP END DEFLECTOR CYL. TO AUX. VALVE)	1	EA.
44	3701072	HOSE\HYD\3\8X56.5\9\16FJICS	(ROD END DEFLECTOR CYL. TO AUX. VALVE)	1	EA.
45	3701073	HOSE\HYD\1\2X35.5\3\4FJICS	(ORBIT MOTOR TO CF FLOW CONTROL)	1	EA.
46	3701074	HOSE\HYD\1\2X30.5\3\4FJICS	(ORBIT MOTOR TO TEE ON EF FLOW CONTROL)	1	EA.
47	3701075	HOSE\HYD\1\2X20\3\4FJICX3\4FJIC\90	(EF OF FLOW CONTROL TO AUX. VALVE)	1	EA.
48	3701076	HOSE\HYD\1\2X21\3\4FJICS	(IN PORT OF FLOW CONTROL TO AUX. VALVE)	1	EA.
49	3701077	HOSE\HYD\1\2X110\7\8FJICX3\4MOR	(FLOW CONTROL IN TO TRACTOR)	1	EA.
50	3701077	HOSE\HYD\1\2X110\7\8FJICX3\4MOR	(FLOW CONTROL EXCESS TEE TO TRACTOR)	1	EA.
51	3701078	HOSE\HYD\3\8X26\9\16FJICX9\16FJIC\90	(FLOW DIV. TO CAP END OF RH SQUEEZE CYL.)	1	EA.
52	3701079	HOSE\HYD\3\8X60\9\16FJICS	(ROD END SLUGBAR TO AUX VALVE)	1	EA.
53	3701080	HOSE\HYD\3\8X70\9\16FJICS	(CAP END SLUGBAR TO AUX VALVE)	1	EA.
54	3701068	HOSE\HYD\1\2X16.5\7\8FJICX7\8FJIC\90	(AUX VALVE OUT TO FLOW CONTROL EXCESS TEE)	1	EA.
55	3701069	HOSE\HYD\1\2X21\7\8FJICX7\8FJIC\90	(AUX VALVE IN TO FLOW CONTROL OUT)	1	EA.



2800 Optional Stripper Plate (Up to SN 0291)

Item	Part No.	Name	Remarks	Qty	Uom
1	4800018	BOLT\HEX\1/2X1-1/4		7	EA.
2	4900014	NUT\TPLCK\1/2\NC		7	EA.
3	8101623	SH\STRIPPER\2800		1	EA.
CA	8101624	CHNNL\STRPPR\KIT\2800			EA.



2800 Control Panel Assembly (SN up to 0198)

Item	Part No.	Name	Remarks	Qty	Uom
1	4800301	SCR\FLG\SERR\1/4X3/4\NC		2	EA.
2	4800963	SCR\PAN\PHL\#14X1/2\TYPE A		4	EA.
3	4900040	NUT\FLG\SERR\1/4\NC		2	EA.
4	5700328	SWITCH\RCKR\MNT\PNL\SNGL		5	EA.
5	5700542	SWITCH\RCKR\DPDT\24VUNLIT\15A\MOMNTR YW/RAISED BRCKT		4	EA.
6	5700546	SWITCH\RCKR\DPDT\12V\2LIT		1	EA.
7	8101614	SH\PANEL\SWITCH\2800		1	EA.
8	8101615	SH\PANEL\SWITCH\2800		1	EA.
9	8101620	SHIM\PANEL\SWITCH		1	EA.
CA	8101730	HSG\CNTRL\ASSY\TRACTOR\2800	(Also Includes #5700621)		EA.
NS	5700621	HARN\TRACTOR\2800			EA.

5701050-CNTRLBX\W-HRNS\CMPLT\2800



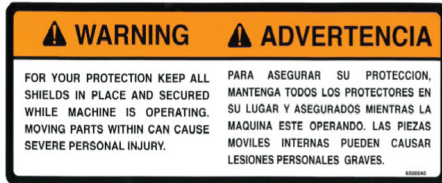
5701050-Control Box (for SN 0199 and up)

Item	Part No.	Name	Remarks	Qty	Uom
CA	5701050	CNTRLBX\W-HRNS\CMPLT\2800		1	EA
NS	7501494	ARM\SUPPORT\MONITOR		1	EA.

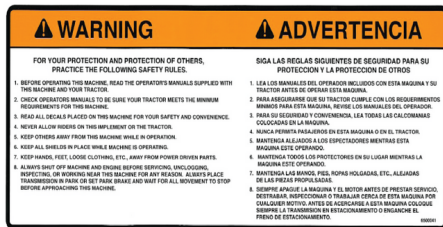
2800 Balebuster Parts Reference



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4 - 6500040



5 - 6500041



9 - 6500362



14 - 6500459



15 - 6500479



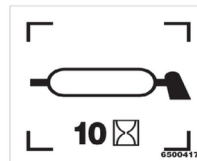
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6 - 6500085

2800

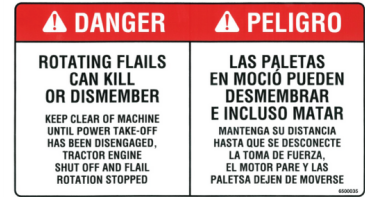
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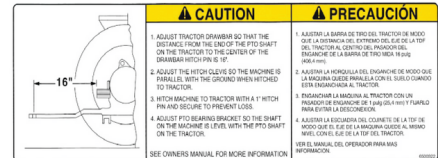
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3 - 6500035



7 - 6500304



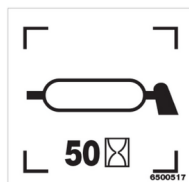
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13 - 6500435



17 - 6500517



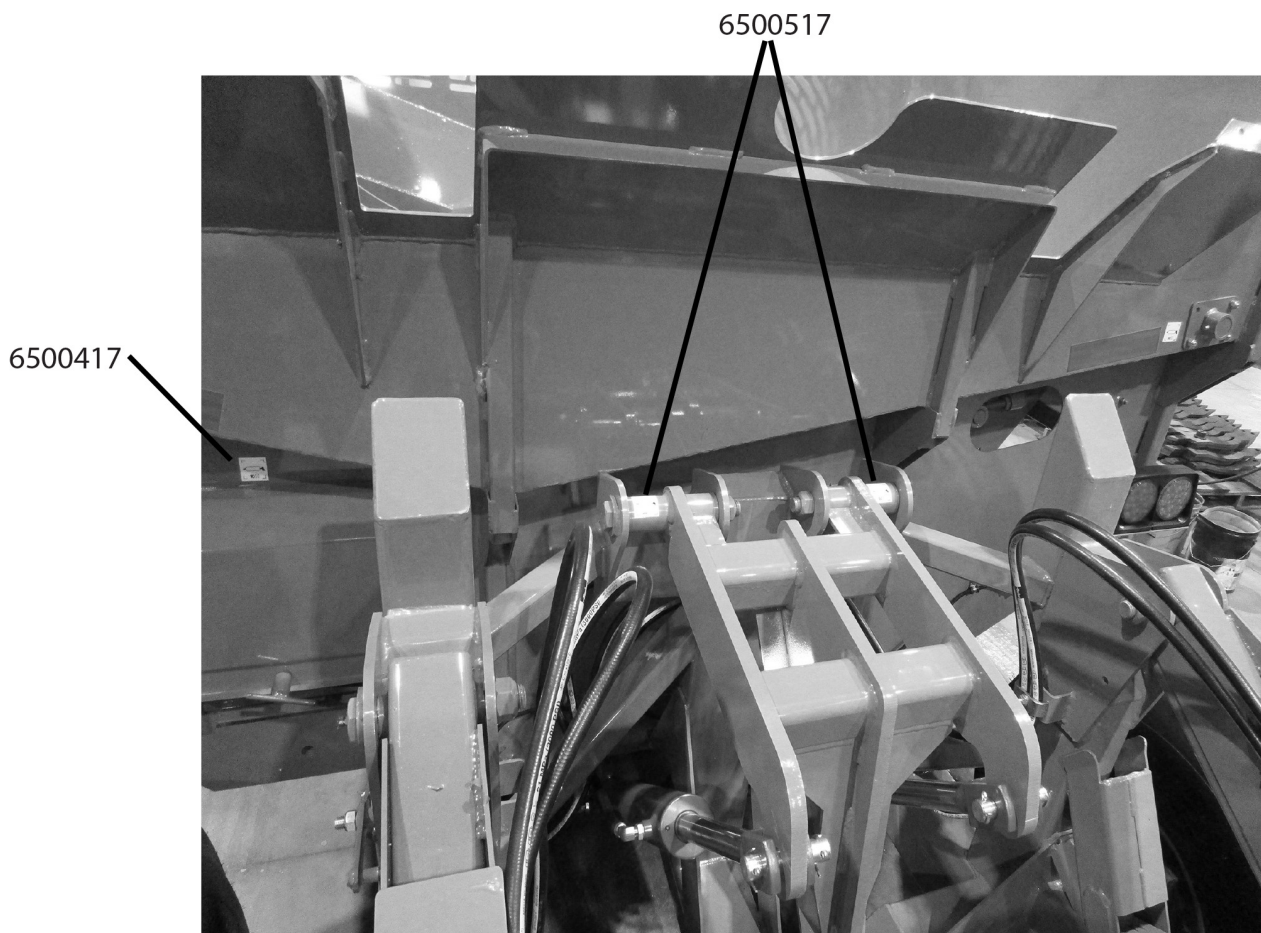
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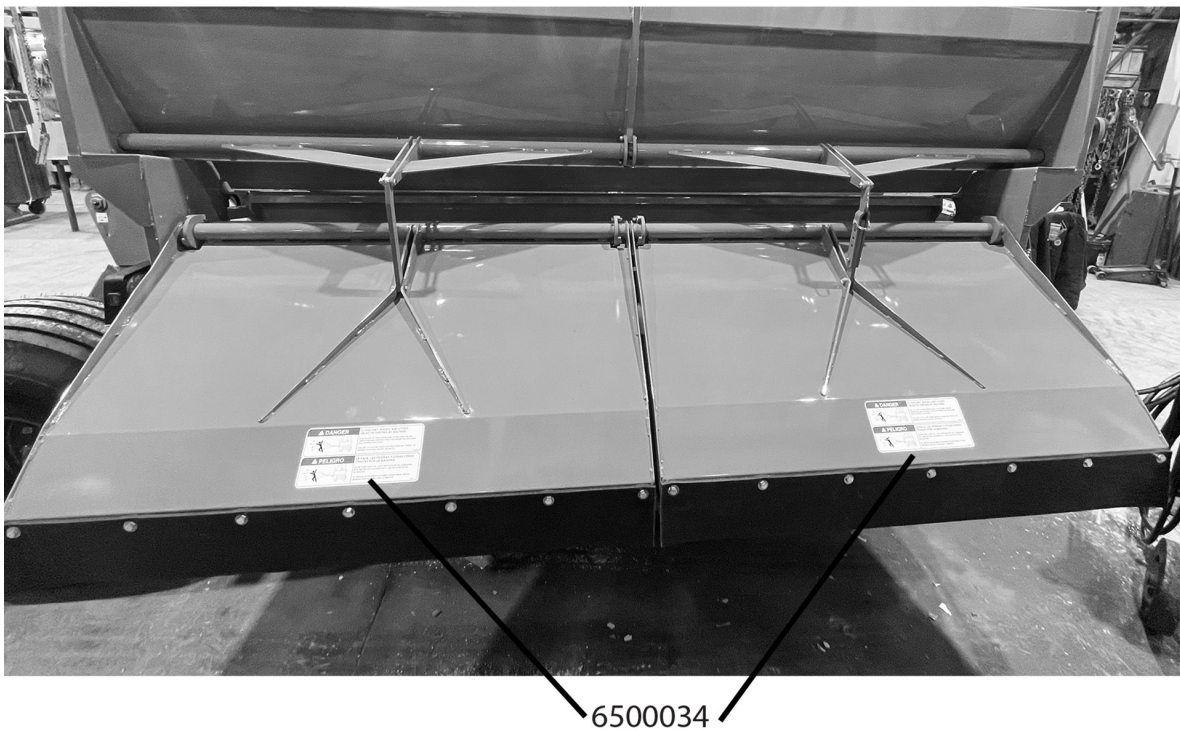
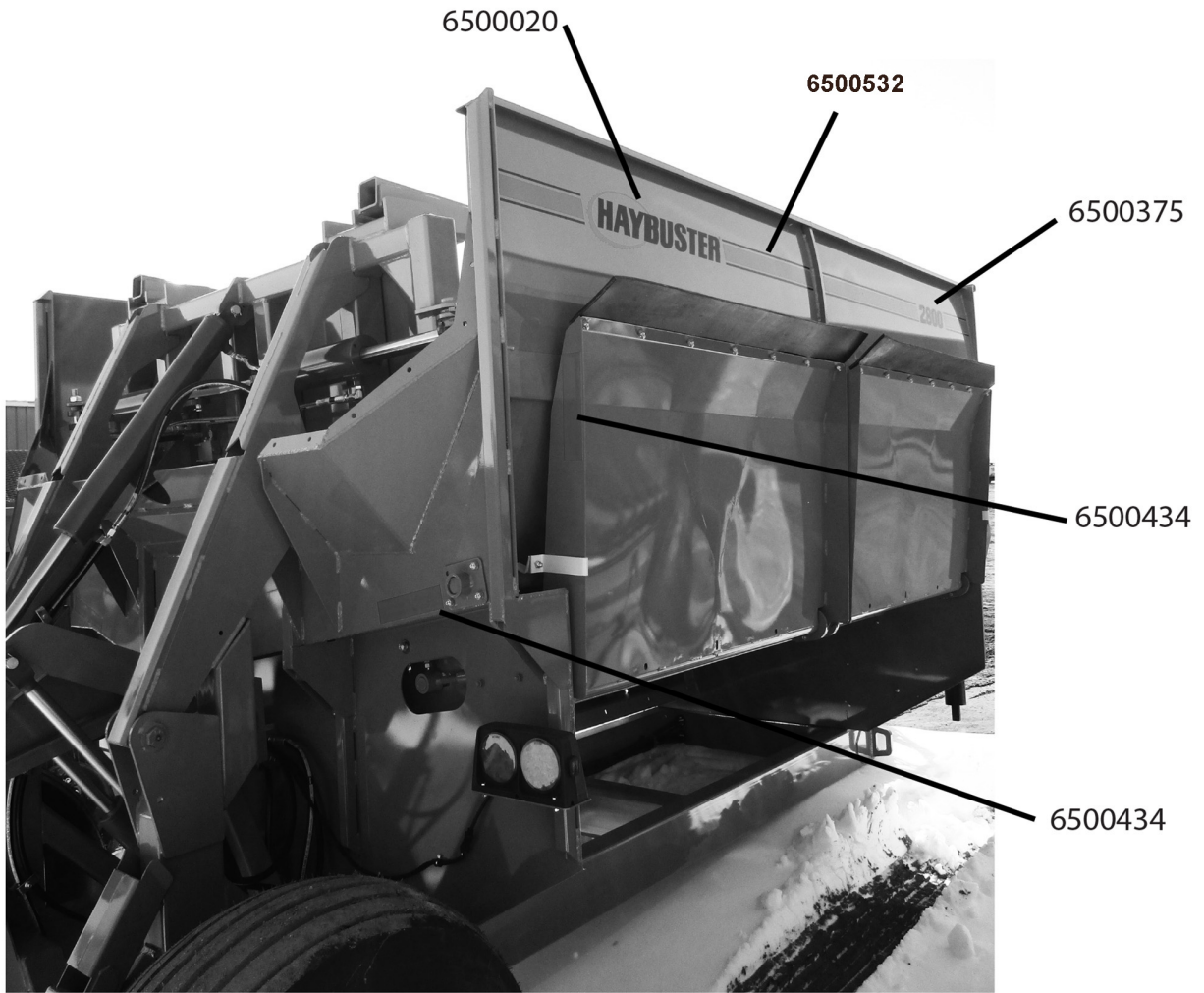


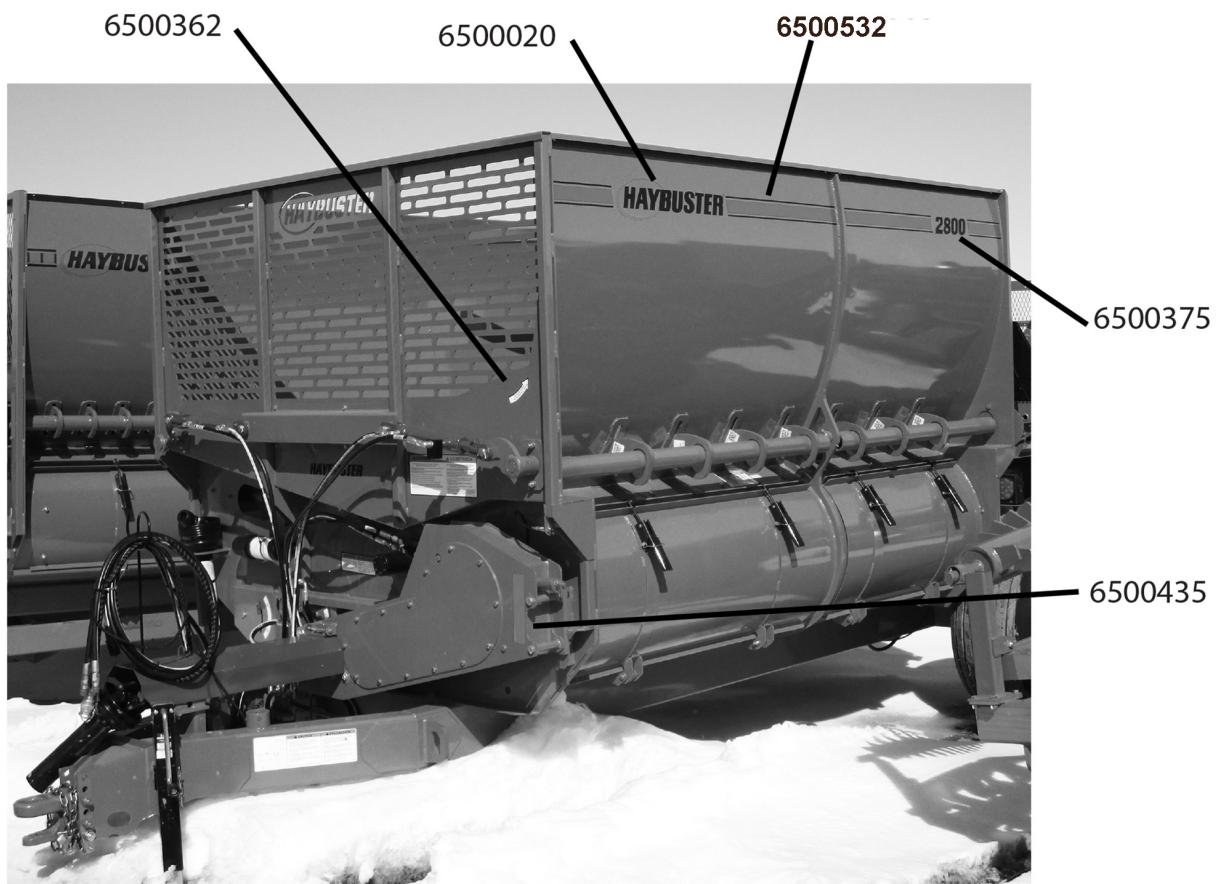
19-6500546

2800 Decals

Item	Part No.	Name	Remarks	Qty	Uom
1	6500020	DECAL\LOGO\HYBST\SNBRS\3		2	EA.
2	6500034	DECAL\DNGR\FLYG;HAY\RACK		2	EA.
3	6500035	DECAL\DNGR\ROTATNG;FLAILS		1	EA.
4	6500040	DECAL\WARN\SHIELD\PROT		1	EA.
5	6500041	DECAL\WARN\PROTECTION		1	EA.
6	6500085	DECAL\DNGR\ROTATNG;DR-LNE		1	EA.
7	6500304	DECAL\LOGO\HYBST\1-3/4W/		1	EA.
8	6500322	DECAL\CAUTION\ADJ.DRAWBAR		1	EA.
9	6500362	DECAL\INFO\BALE ROTATION CNRT CLCKWS\ARROW		1	EA.
10	6500375	DECAL\LOGO\2800		2	EA.
11	6500417	DECAL\GREASE\10 HRS		5	EA.
12	6500434	DECAL\2X9\RED\REFCT		5	EA.
13	6500435	DECAL\2X9\AMBER\REFCT		6	EA.
14	6500459	DECAL\PATENT\2800\#7,793,873		1	EA.
15	6500479	DECAL\LOADER\POSITION		1	EA.
16	6500490	DECAL\WARN\NO STEP		1	EA.
17	6500517	DECAL\GREASE\50HRS		7	EA.
18	6500532	DECAL\LOGO\STRPNG\BLK+RED-W-BARS		5	FT.
19	6500546	DECAL\BOLTS\FLAIL\156 FT-LBS		1	EA.
CA	6500368	DECAL\KIT\2800			EA.
NS	7500980	PAINT\YELLOW\SPRAY\12OZ		12 OZ	EA.
NS	7500092	Yellow Paint		QUART	EA.
NS	7500091	Yellow Paint		GALLON	EA.
NS	7500078	Red Spray Paint		12 OZ	EA.
NS	7500105	Red Paint		QUART	EA.
NS	7500104	Red Paint		GALLON	EA.

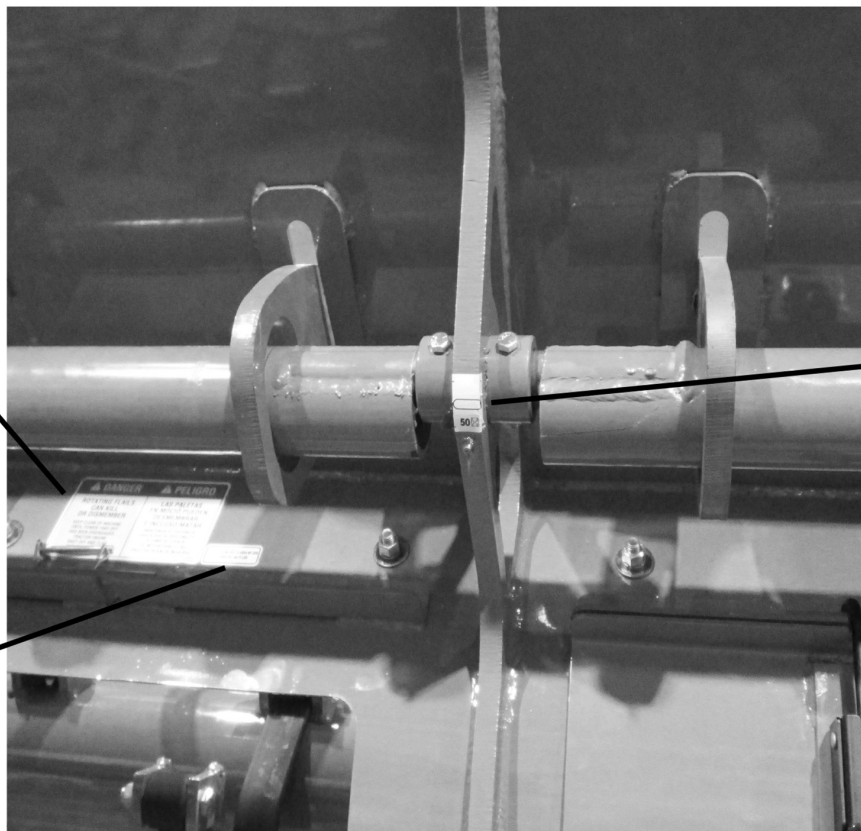








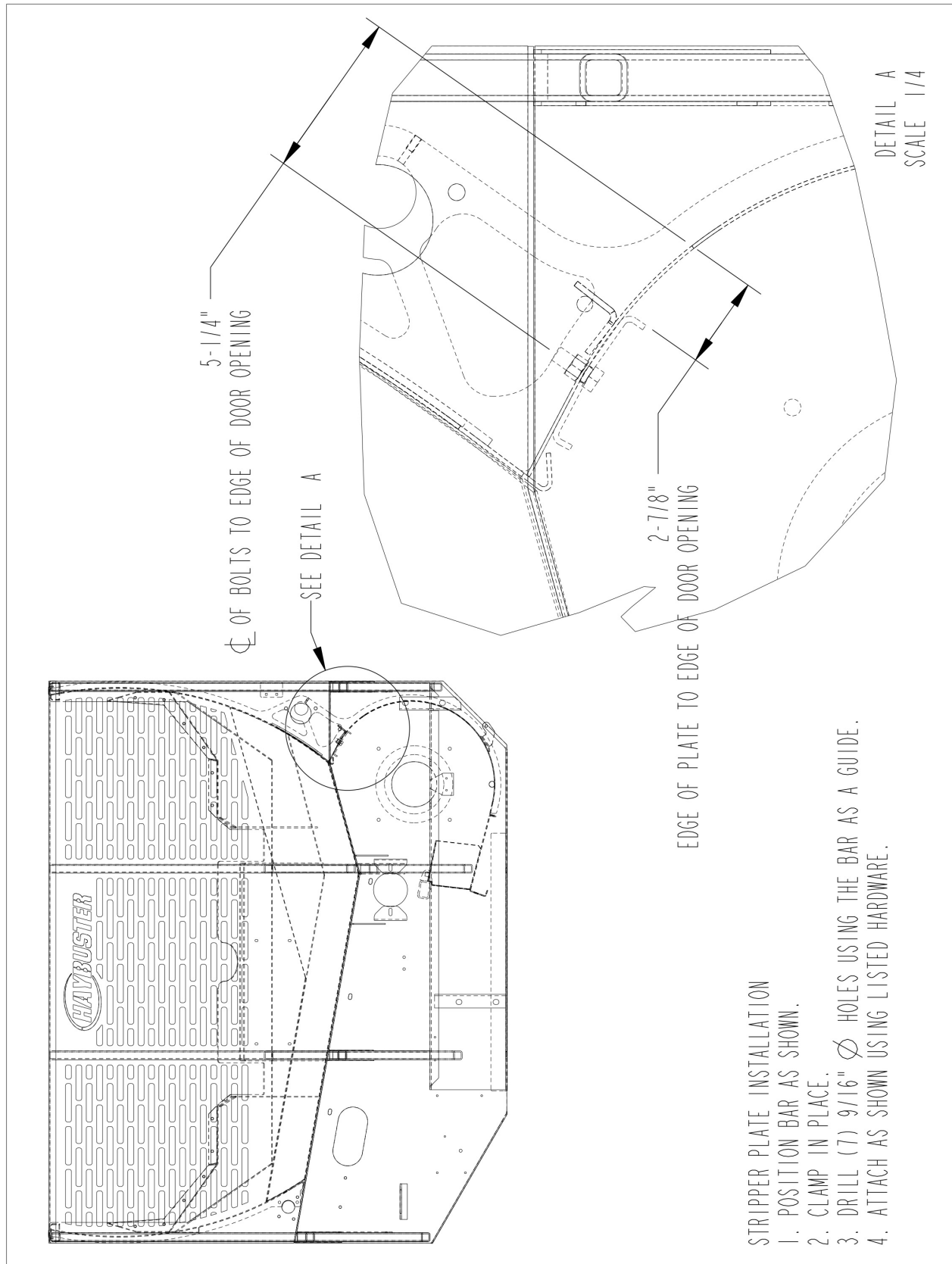
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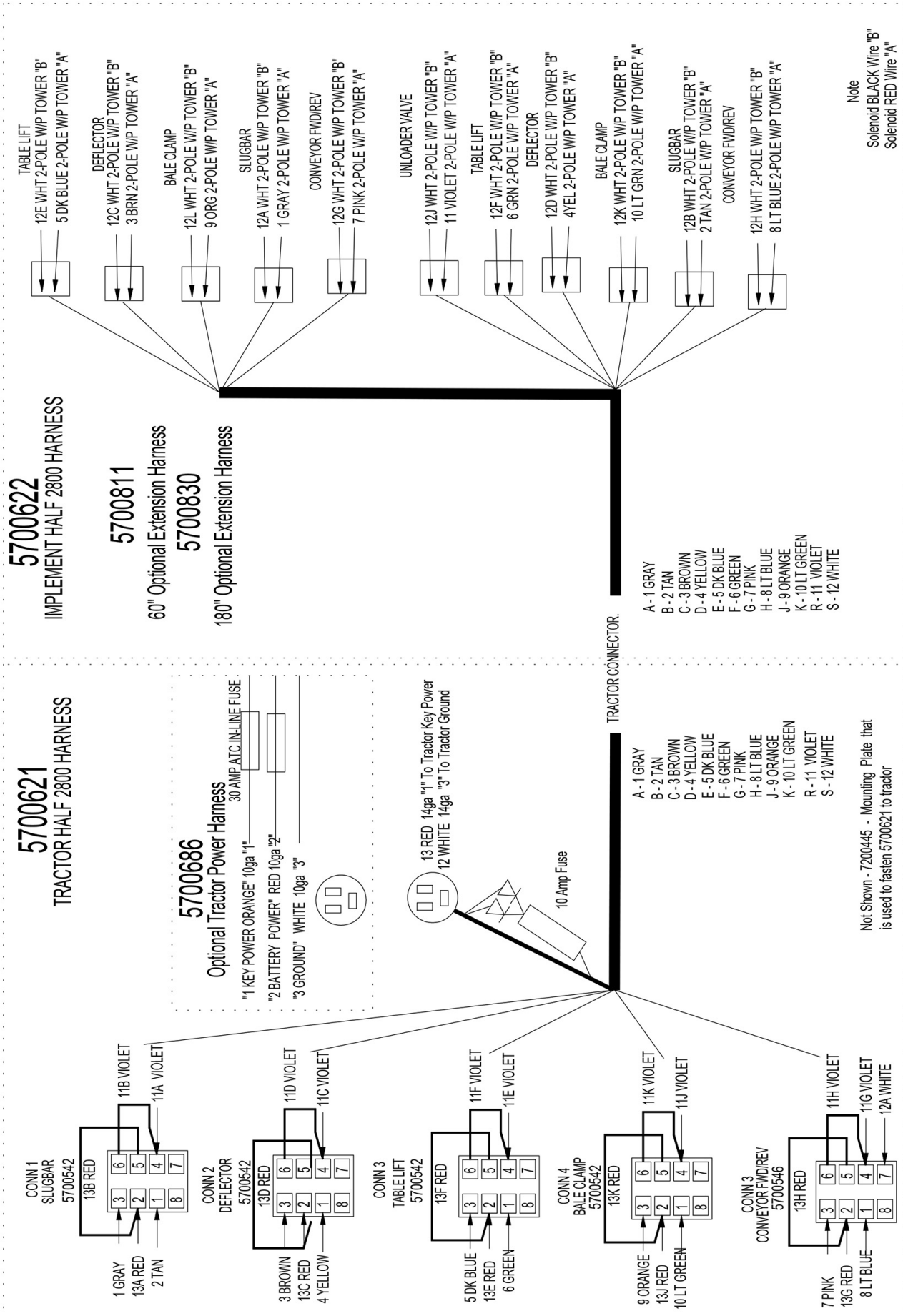


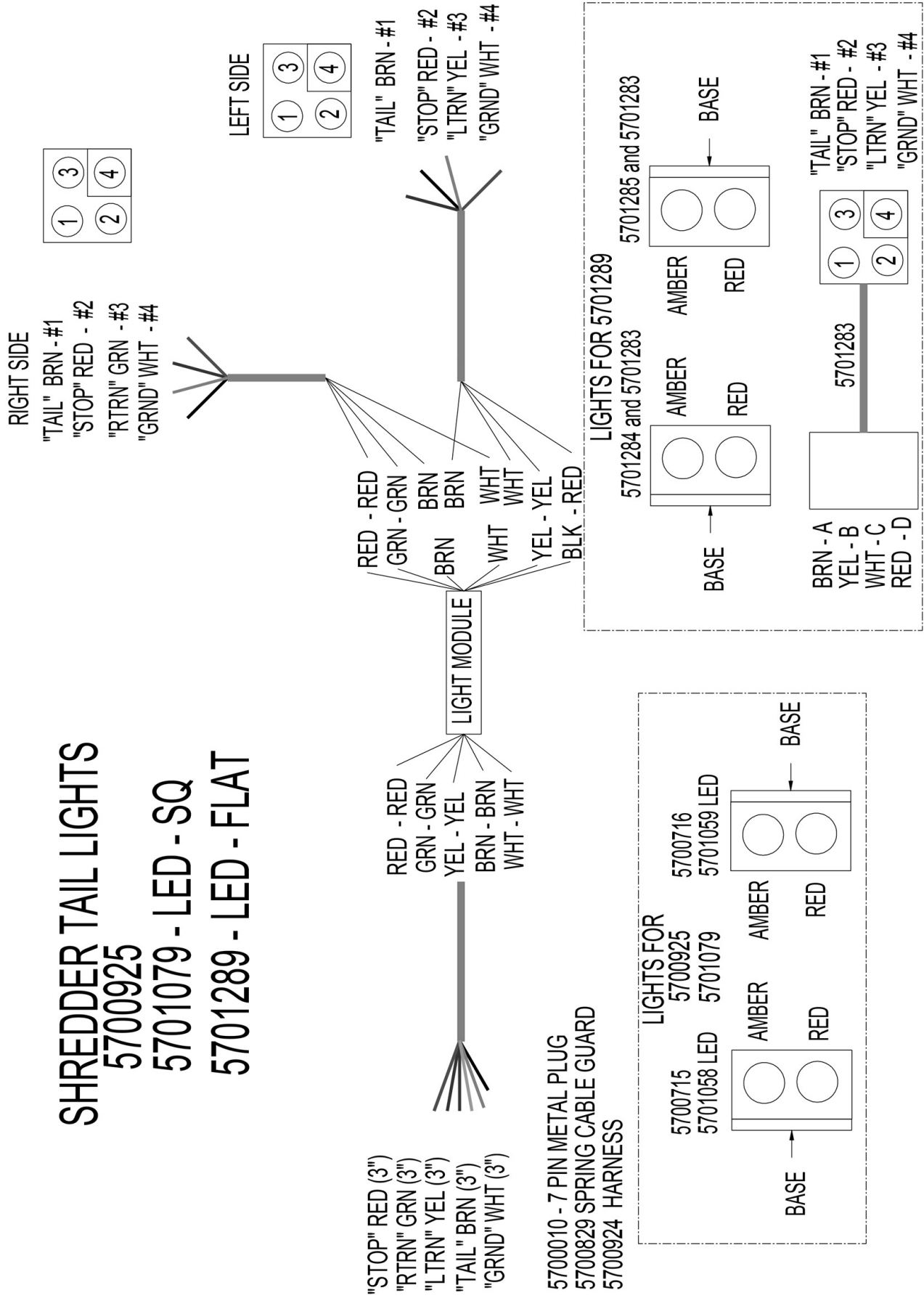
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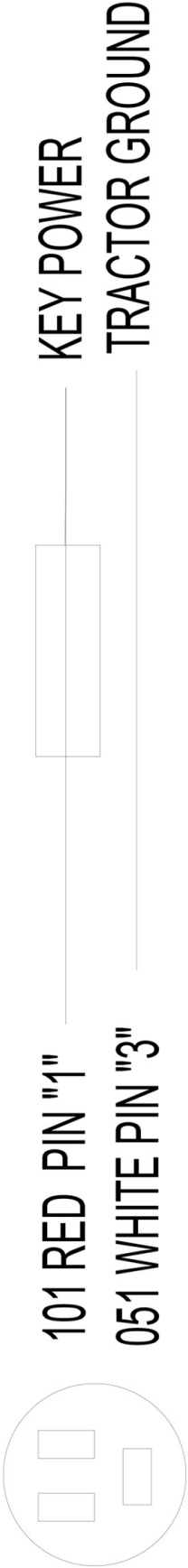


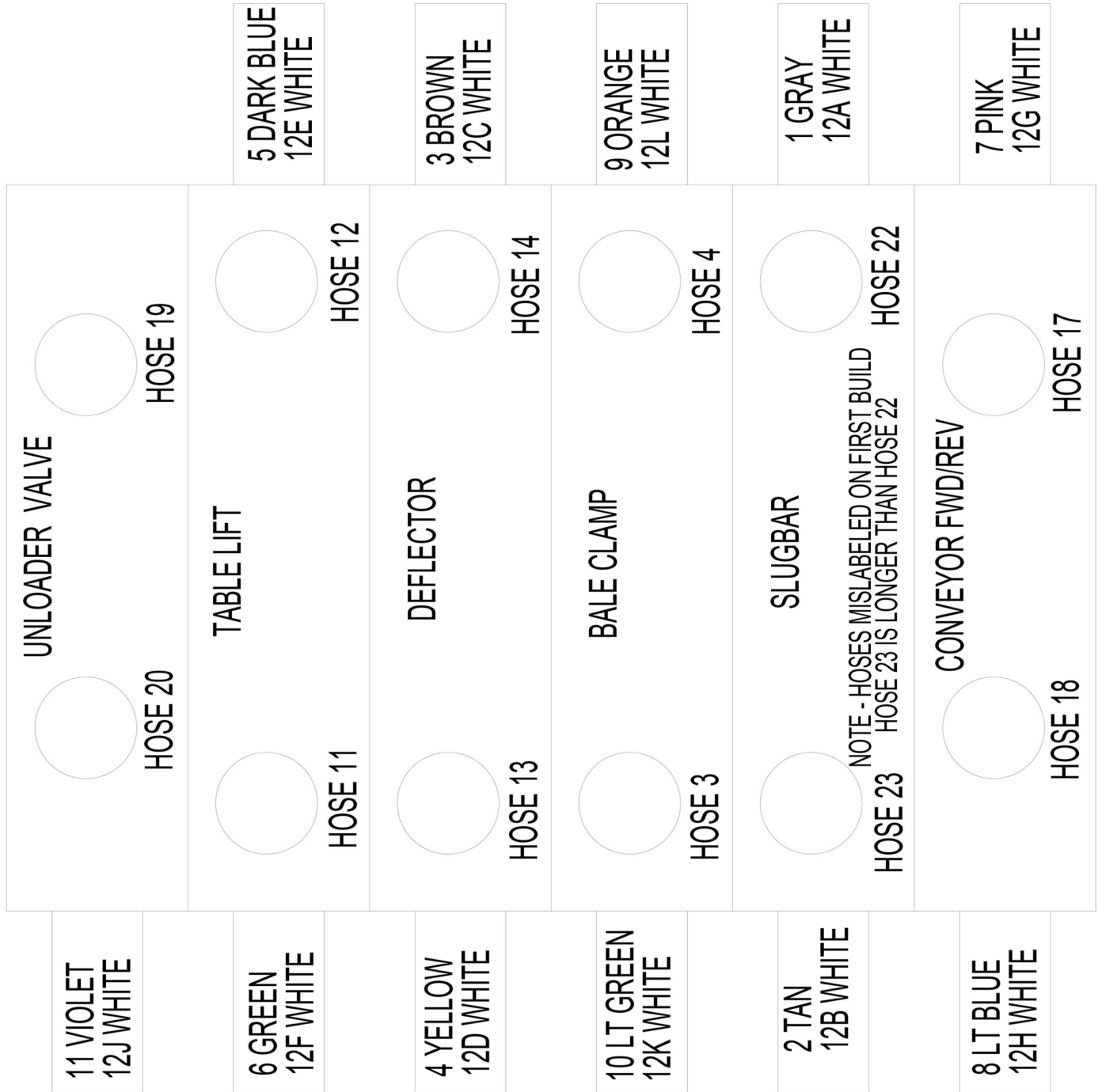


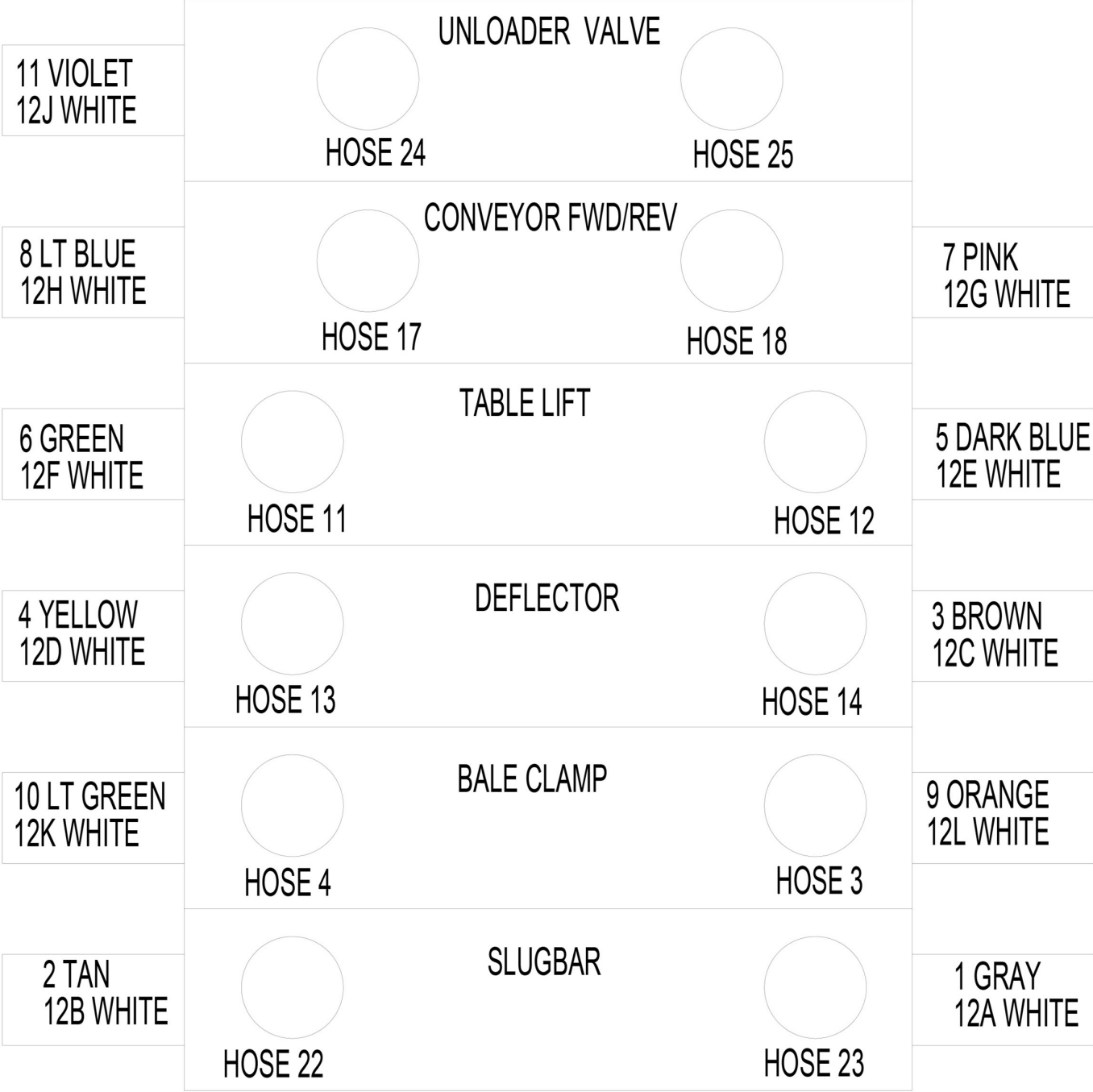


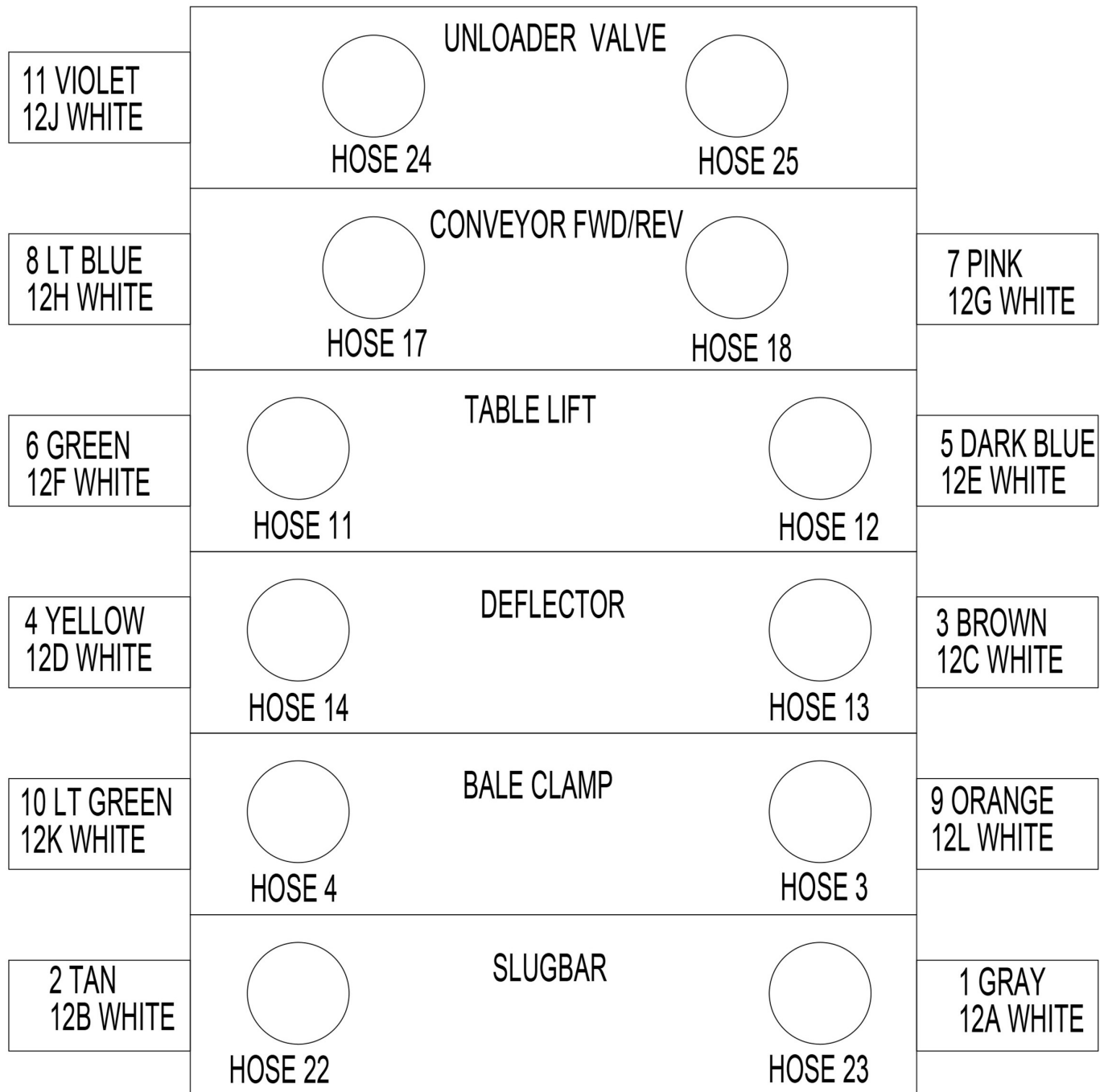


5700686 Tractor Auxilliary Power Harness

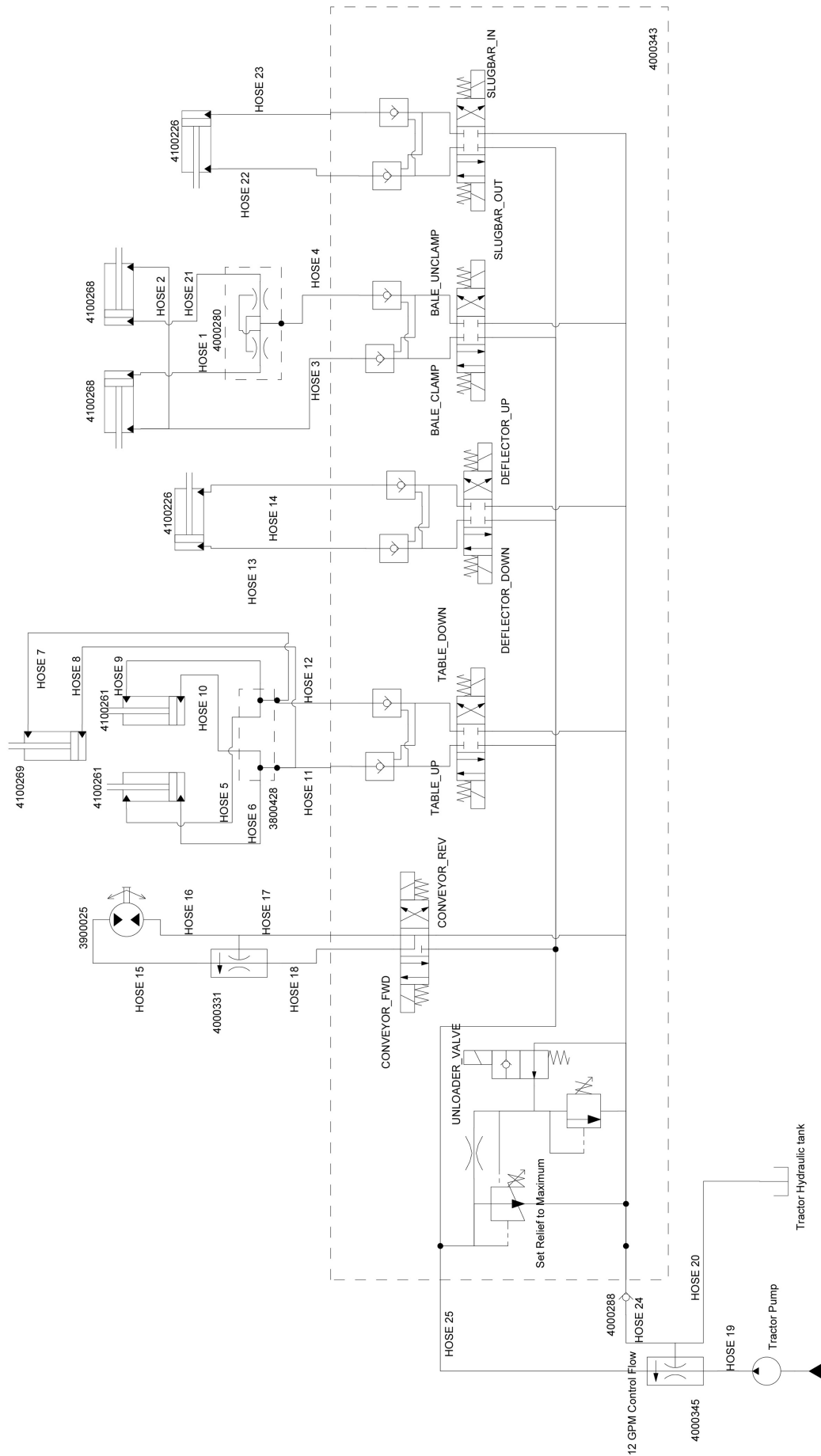








Hydraulic Schematic (for SN up to 0038)



4100269

HOSE 7

HOSE 8

HOSE 9

4100261

HOSE 10

HOSE 11

HOSE 12

3800428

HOSE 13

HOSE 14

4100226

HOSE 15

3900025

HOSE 16

HOSE 17

4000331

HOSE 18

4000345

HOSE 19

HOSE 20

4000288

HOSE 21

HOSE 22

HOSE 23

4100268

4100268

4000280

HOSE 1

HOSE 2

HOSE 3

HOSE 4

4000343

UNLOADER VALVE

Set Relief to Maximum

CONVEYOR FWD

CONVEYOR REV

TABLE UP

TABLE DOWN

DEFLECTOR UP

DEFLECTOR DOWN

BALE CLAMP

BALE UNCLAMP

SLUGBAR IN

SLUGBAR OUT

Tractor Hydraulic tank

Tractor Hydraulics, pump and valve

12 GPM Control Flow



Delivery Report

Delivery Date	Machine Model	Serial No.	
Dealer Name		Engine Serial No.	
Dealer Address		Invoice No.	
Dealer City	State	Zip	
Dealer Email		Phone	

Customer Name		
Customer Address	Phone	
Customer City	State	Zip
Customer Email		

The following items are to be checked as they are explained to the owner / operator at the time of delivery

- ☐ Explain the delivery packet and present the operators manual(s) to the owner / operator.
- ☐ Review and inspect the machine safety signs (decals) and the operator's manual.
- ☐ Advise the owner that the dealer is the source to obtain operator training, and information regarding the correct application of the machine to the job, as well as service and warranty information.
- ☐ Explain the capabilities and restrictions of the machine as it applies to the owner's application as defined in the operator's manual.
- ☐ Explain the operation of the controls and start up and shut down procedures of the engine and power transmission components of the machine.
- ☐ Explain rated lift or carrying capacity and loading and unloading procedures of the machine to maintain safety and stability of the machine.
- ☐ Explain proper folding, unfolding, and transporting procedures to the owner / operator.
- ☐ Explain recommended fueling procedures on engine equipped machines.
- ☐ Explain proper loading and unloading of materials from the tub or grinding chamber of the machine.
- ☐ Objects thrown by shredding or spinning rotors may represent a hazard to personnel and property in the area. Minimize risks by planning and by keeping personnel and property clear of hazard area.
- ☐ Explain the availability and use of the tub cover to further reduce risks of thrown objects.
- ☐ Review maintenance and lubrication procedures with the operator / maintenance person as defined in the operators manual.
- ☐ Advise never to use the machine in an environment with explosive or flammable materials present.
- ☐ Explain warranty policy and limitations to the owner / operator.



Warning

Misuse of the machine or modification or removal of the guards, safety devices, or control interlocks can cause injury or death.

The above delivery information has been explained to me. I understand the operation and maintenance of this machine. I also acknowledge the warranty conditions and limitations as outlined.	
Owner / Operator Signature	Date
Dealer Representative Signature	Date

