OPERATOR'S AND PARTS MANUAL NO. PB-SI-8720/8865

MEYER

INDUSTRIAL SERIES
TWIN EXPELLER SUPER SPREADER
MODEL 8720
MODEL 8865

PATENTED
U.S. PATENT NUMBER
5,368,236
5,501,404

DO NOT OPERATE EQUIPMENT UNTIL THIS MANUAL HAS BEEN READ AND UNDERSTOOD.

MEMBER FEMA

Over 70 years of service to our customers

MANUFACTURED BY

Meyer Mfg. Corp.

574 West Center Avenue
P.O. Box 405
Dorchester, Wisconsin 54425
Phone: 715-654-5132 • Fax: 715-654-5513
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MANUFACTURED IN DORCHESTER WI BY MEYER

3/2015

1. INTRODUCTION

Congratulations on your purchase of a new Meyer farm equipment product. Undoubtedly you have given much consideration to your purchase and we're proud that you have selected Meyer. Pride in craftsmanship, engineering and customer service has made Meyer products the finest in the farm equipment industry today.

There is no substitute for quality. That is why thousands of people like you have purchased Meyer farm equipment. They felt it was the best equipment to serve their farming needs, now and in years to come. We ask that you follow our policy of "safety first," and we strongly suggest that you read through the owner's manual before operating your Meyer farm equipment.

Meyer Manufacturing Corporation wants to thank you for not compromising quality. We are determined to offer excellence in customer service as well as provide you with the very best value for your dollar.

REMEMBER:

FARM EQUIPMENT BUYERS
TRUST THE NAME MEYER!

Sincerely,

All Employees of
MEYER MANUFACTURING CORPORATION

This SAFETY ALERT SYMBOL means ATTENTION! BE CAREFUL! YOUR SAFETY IS INVOLVED! It stresses an attitude of HEADS UP FOR SAFETY. When you see this symbol, be alert to the possibility of PERSONAL INJURY and carefully read the message that follows.

WARNING: NEVER OPERATE WITHOUT ALL COVERS, SHIELDS AND GUARDS IN PLACE. KEEP HANDS, FEET AND CLOTHING AWAY FROM MOVING PARTS. SOME COVERS AND GUARDS HAVE BEEN REMOVED FOR ILLUSTRATIVE PURPOSES ONLY IN THIS MANUAL. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Meyer Mfg. Corp. reserves the right to make improvements in design, or changes in specifications at any time, without incurring any obligation to owners of units previously sold. This supersedes all previous published instructions.

IMPORTANT:
At the front of this manual is an "Owner's Registration Form". Be sure your dealer has completed this form and promptly forwarded a copy to Meyer Mfg. to validate the manufacturer's warranty. The product model and serial number are recorded on this form and below for proper identification of your Meyer Industrial Spreader by your dealer and the manufacturer when ordering repair parts. The serial number plate is found on the upper left front corner of the spreader tank or stamped in the left front frame channel.

Model No. _____

Serial No. _____

Date of Purchase _____

At the back of this manual is the repair parts section. All replacement parts are to be obtained from or ordered through your Meyer dealership. When ordering repair parts, refer to the parts section and give complete information including quantity, correct part number, detailed description and even Model No. and Serial No. of the Meyer Industrial Spreader which needs repair parts.

1.1. HOW TO READ YOUR SERIAL NUMBER

Your serial number is stamped on the front left hand frame channel.

Example: SI128720253

Model Type / Model Year / Model / Sequence of Build

SI 12 8720 253

You are urged to study this manual and follow the instructions carefully. Your efforts will be repaid in better operation and service as well as a savings in time and repair expenses. Failure to read this manual and understand the machine could lead to serious injury. If you do not understand instructions in this manual, contact either your dealer or Meyer Manufacturing Corp. at Dorchester, WI 54425.

NOTE: All references to right hand (RH), left hand (LH), front and rear apply to the product as viewed from the rear of the spreader.

PRE-DELIVERY & DELIVERY CHECK LIST

Spreader Check List

Meyer Manufacturing Corporation

Phone: 715-654-5132 • Toll-Free: 1-800-325-9103 • P.O. Box 405 • Dorchester, WI 54425

This Pre-Delivery & Delivery Check List must be gone through by the Selling Party and the Customer to validate the Owner's Registration Form.

PRE-DELIVERY CHECK LIST

After the New Meyer Spreader has been completely set up, check to be certain it is in correct running order before delivering it to the customer.

The following is a list of points to inspect:

Check off each item as you have made the proper adjustments and found the item operating satisfactorily. Any adjustments made, must be according to specifications defined in this manual.

- ☐ All shields and guards are in place and securely fastened.
- ☐ All bolts and other fasteners are secure and tight.
- ☐ All mechanisms operate trouble free.
- ☐ All grease fittings have been lubricated, gear boxes filled to proper levels, and all roller chains are oiled. See "Lubrication" section of this manual.
- ☐ PTO shields turn freely.
- ☐ All roller chain springs adjusted properly for automatic tensioning. See "Adjustments" section in this manual.
- ☐ Both LR and RR Spinner Material Guides are adjusted properly. See "Adjustments" section in this manual.
- ☐ All decals are in place and legible.

DELIVERY CHECK LIST

The following check list is an important reminder of valuable information that MUST be passed on to the customer at the time the unit is delivered.

Check off each item as you explain it to the customer.

- ☐ Explain to the customer that pre-delivery check list was fully completed.
- ☐ Give customer the Owner & Operator's Manual. Instruct to read and completely understand its contents BEFORE attempting to operate the spreader.
- ☐ Explain and review with customer the New Meyer Spreader manufacturer's warranty.
- ☐ Show the customer where to find the serial number on the implement.
- ☐ Explain and review with the customer "Safety Precautions" section of this manual.
- ☐ Explain and review with customer the proper "Start-up and Operating Procedures" sections of this manual.
- ☐ Demonstrate the PTO Shaft Locking Device and proper PTO shaft storage. Also, demonstrate proper hydraulic hose storage and tip holder used to keep system clean from contaminants.
- ☐ Explain that regular lubrication and proper adjustments are required for continued proper operation and long life of the spreader. Review with the customer the "Lubrication" and "Adjustments" sections of this manual.
- ☐ Explain and review with customer the recommended loading and unloading procedures for different types of manure.
- ☐ Also, demonstrate the proper way to adjust the Rear Spinner Material Guides.
- ☐ Fully complete this "PRE-DELIVERY & DELIVERY CHECK LIST" with the customer.

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2. MANUFACTURER'S WARRANTY

11/2014

MEYER INDUSTRIAL SPREADER

I. The "Owner's Registration Form" must be completed in full and promptly returned to Meyer Mfg. Corp. for this warranty to become both valid and effective. All warranties on new Meyer Industrial Spreaders shall apply only to the original retail customer from an authorized Meyer Mfg. Corp. dealership.

II. This warranty shall not apply to any Meyer Industrial Spreader which has been subjected to misuse, negligence, alteration, accident, incorrect operating procedures, has been used for an application not designed for or pre-authorized by Meyer in writing, has had the serial numbers altered, or which shall have been repaired with parts other than those obtained through Meyer Mfg. Corp. Meyer is not responsible for the following: Depreciation or damage caused by normal wear, lack of reasonable and proper maintenance, failure to follow the operator's manual recommendations or normal maintenance parts and service. Meyer is not responsible for rental of replacement equipment during warranty repairs, damage to a power unit (including but not limited to a truck or tractor), loss of earnings due to equipment down time, or damage to equipment while in transit to or from the factory or dealer.

III. Meyer Mfg. Corp. warrants new Meyer Industrial Spreaders to be free from defects in material and workmanship under recommended use and maintenance service, as stated in the "Owner / Operator's Manual & Parts Book" as follows:

A. Meyer Mfg. Corp. will repair or replace F.O.B. Dorchester, WI, as Meyer Mfg. Corp. elects, any part of a new Meyer Industrial Spreader which is defective in material or workmanship:

i. Without charge for either parts or labor during the first (1) year from purchase date to the original retail customer.

B. In addition to the above basic warranty, Meyer Mfg. Corp. will repair or replace F.O. B. Dorchester, WI as Meyer Mfg. Corp. elects:

i. Any part of the following which is defective in material or workmanship (not neglect to recommended use and service) with a "pro-rated" charge for parts only (not labor) during the stated time period from date of purchase to the original retail customer:

Seven (7) Years: a. The spreader tank body is warranted against rust through (Pro-rated parts only). Parts included, front and rear end panels, side panels and auger trough.

IV. COMMERCIAL USE: Coverage as in paragraph III.A.1. ONLY, except warranty coverage is for (90) days for parts and labor to the original commercial retail customer.

V. Repairs eligible for labor warranty must be made by Meyer Mfg. Corp. or an authorized Meyer dealership. The original retail customer is responsible for any service call and/or transportation of the Industrial Spreader to the dealership or factory for warranty service.

VI. Except as stated above, Meyer Mfg. Corp. shall not be liable for injuries or damages of any kind or nature, direct, consequential, or contingent, to persons or property. This warranty does not extend to loss of crop or for any other reasons.

VII. No person is authorized to give any other warranties or to assume any other obligation on Meyer Mfg. Corp.'s. behalf unless made or assumed in writing by Meyer Mfg. Corp. This warranty is the sole and exclusive warranty which is applicable in connection with the manufacture and sale of this product and Meyer Mfg. Corp.'s responsibility is limited accordingly.

Purchased Product Warranty:
This warranty does not apply to component parts not manufactured by Meyer such as but not limited to wheels, tires, tubes, PTO shafts, clutches, hydraulic cylinders, scales, etc.

3. SAFETY PRECAUTIONS

CAUTION: BEFORE ATTEMPTING TO OPERATE THIS SPREADER, READ AND STUDY THE FOLLOWING SAFETY INFORMATION. IN ADDITION, MAKE SURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THE SPREADER, WHETHER FAMILY MEMBER OR EMPLOYEE, IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

Require anyone who will operate this spreader to read and completely understand this Owner's Manual. Give necessary instructions!

DO NOT operate, service, inspect or otherwise handle this spreader until all operators have read this Owner's Manual and have been properly trained in the intended usage of the spreader.

Do not allow minors (children) or inexperienced persons to operate this spreader.

If the spreader becomes clogged, shut off the tractor engine and allow all mechanisms to stop. Disconnect PTO shaft and hydraulic hoses (relieve hydraulic pressure). Then, clean or work on the spreader as required.

Always shut off power and disconnect PTO drive shaft and unhook hydraulic hoses (relieve hydraulic pressure) from tractor to prevent accidental startup or unexpected movement before working on machine.

Do not clean, adjust, or lubricate while spreader is in motion.

Make sure all hydraulic fittings are tight and that all hoses are in good condition. Hydraulic fluid escaping under pressure can have sufficient force to penetrate skin and cause serious injury. Never investigate for hydraulic leaks by using a part of the body to feel for escaping fluid.

Inspect when first delivered and regularly thereafter. Verify that all connections and bolts are tight and secure before operating.

Know how to stop the spreader before starting it!

Do not operate until all shields, covers and guards are in place.

Make certain everyone is clear of the spreader before applying power.

Keep hands, feet and clothing away from moving parts. Loose or floppy clothing should not be worn by the operator.

Stay well clear of the spreader's rear discharge spinners while operating.

Do not step up on any part of the spreader at any time. Do not use PTO guard as a step.

Do not step over the power take-off shaft. Stay clear of the PTO at all times.

Keep PTO shaft telescoping tube shields turning freely. Keep PTO master shield on tractor. Replace shields missing or damaged.

Match the right tractor PTO spline and speed with the PTO driveshaft provided with the implement. This will assure proper geometry and operating speed. Never operate 540 RPM implements at 1000 RPM. Never operate 1000 RPM implements at 540 RPM. Never use a spline adapter. Use of adaptors will void warranty due to damage caused to the tractor PTO, PTO driveshaft or implement.

Use only properly rated tires.

Do not tow at speeds in excess of 20 MPH when transporting this spreader. Never exceed a safe travel speed.

Observe all applicable traffic laws when transporting on public roadways (where legal to do so). Check local laws for all highway lighting and marking requirements.

Always install a SMV emblem on this spreader for transporting on roadways and keep the emblem clean and bright.

When towing the spreader on public roads a safety chain of sufficient strength to support, along the line of travel, the gross weight of the spreader must be used (See Maximum Load Weight Chart in the Transporting Section). The safety chain should be attached per diagram in the Transporting Section.

STUDY THE ABOVE SAFETY RULES

FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

4. SAFETY FIRST

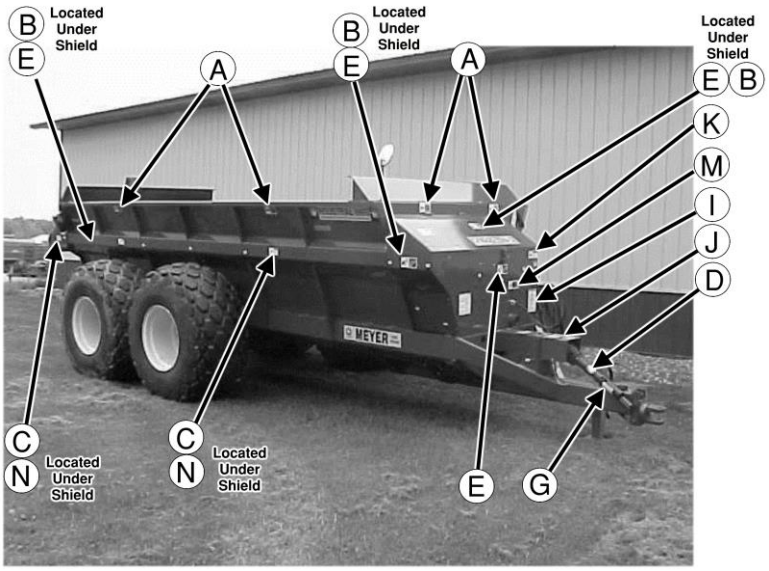
A brief definition of signal words that may be used in this manual is as follows:

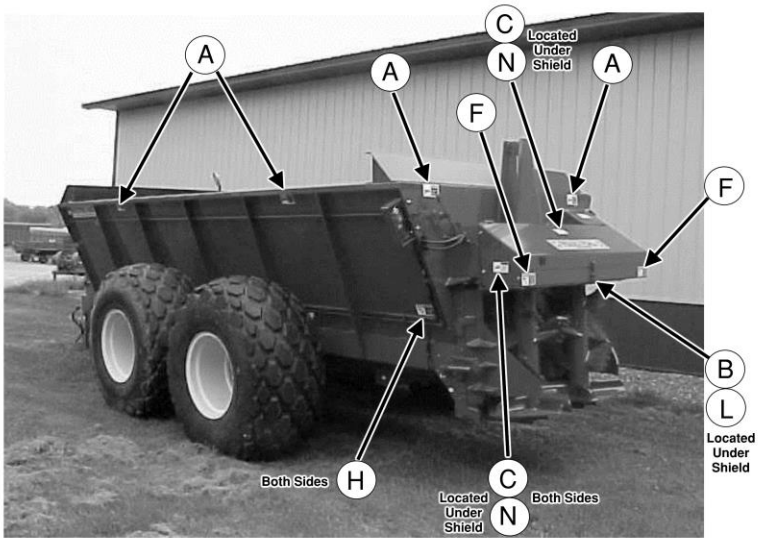
This symbol is used to call attention to instructions concerning personal safety. Be sure to observe and follow these instructions. Take time to be careful!

DANGER indicates an imminently hazardous situation which, if not avoided, WILL result in serious injury or death.

WARNING indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury, and includes hazards that are exposed when guards are removed.

CAUTION indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury. It is also used to alert against unsafe practices.

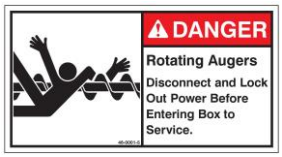




CAUTION: READ ALL SAFETY SIGNS ON THE SPREADER AND IN THIS MANUAL. KEEP THESE SAFETY SIGNS CLEAN AND REPLACE ANY LOST OR DESTROYED SAFETY SIGNS. BECOME FAMILIAR WITH ALL TRACTOR AND SPREADER CONTROLS.

The Meyer Super Spreader is manufactured with operator safety in mind. Located on the manure spreader are various safety signs to aid in operation and warn of danger or caution areas. Pay close attention to all safety signs on the spreader.

DO NOT REMOVE ANY SAFETY SIGNS. IF SAFETY SIGNS ARE LOST, DAMAGED OR IF THE MANURE SPREADER HAS BEEN REPAINTED, REPLACE SAFETY SIGNS. REMEMBER: SAFETY SIGNS ARE FOR EVERYONE'S PROTECTION AND INFORMATION.



SAFETY SIGN A. PART NO. 46-0001-5

SAFETY SIGN B. PART NO. 46-0001-26

SAFETY SIGN C. PART NO. 46-3600-9

SAFETY SIGN D. PART NO. 46-3600-6

SAFETY SIGN G. PART NO. 46-0001-13

SAFETY SIGN E. PART NO. 46-0001-4

SAFETY SIGN F. PART NO. 46-3600-1

SAFETY SIGN H. PART NO. 46-3600-8

SAFETY SIGN I. PART NO. 46-0001-22

SAFETY SIGN J. PART NO. 46-0004-2

SAFETY SIGN K. PART NO. 46-0001-35

SAFETY SIGN L. PART NO. 46-5570-3

SAFETY SIGN M. PART NO. 46-8500-7

SAFETY SIGN N. PART NO. 46-3600-2

CAUTION: READ ALL SAFETY SIGNS ON THE SPREADER AND IN THIS MANUAL. KEEP THESE SAFETY SIGNS CLEAN AND REPLACE ANY LOST OR DESTROYED SAFETY SIGNS. BECOME FAMILIAR WITH ALL TRACTOR AND SPREADER CONTROLS.

IMPORTANT: MEYER MFG. CORP. PROVIDES GUARDS FOR EXPOSED MOVING PARTS FOR THE OPERATOR'S PROTECTION; HOWEVER, SOME AREAS CANNOT BE GUARDED OR SHIELDED IN ORDER TO ASSURE PROPER OPERATION. THE OPERATOR'S MANUAL AND SAFETY SIGNS ON THE MACHINE ITSELF WARN YOU OF DANGERS AND MUST BE READ AND OBSERVED CLOSELY.

5. PRE-OPERATION

WARNING: BEFORE OPERATING, READ THIS OWNER'S MANUAL COMPLETELY. PAY PARTICULAR ATTENTION TO THE "SAFETY PRECAUTION" AND "SAFETY FIRST" PAGES. READ ALL SAFETY MESSAGES HIGHLIGHTED BY "SAFETY ALERT SYMBOLS" THROUGHOUT THE MANUAL.

WARNING: DO NOT OPERATE WITHOUT ALL SHIELDS, GUARDS AND COVERS INSTALLED. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

5.1. SHUTTING OFF AND LOCKING OUT POWER

WARNING: SHUTOFF AND LOCKOUT POWER BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Whenever adjusting, cleaning, lubricating or otherwise servicing this spreader, you must shutoff and lockout power to the spreader. Because this spreader can be truck mounted or powered by a tractor, methods vary. On truck mounted units, the connection between the truck and the spreader is permanently installed and not intended to be disconnected. On trucks, disengage the PTO drive, turn off the engine, set the parking brake, remove the ignition keys and keep them in your possession to prevent anyone else from accidentally applying power to the box unexpectedly. For tractors, disconnect the PTO, disconnect and relieve pressure of the hydraulics, turn off the tractor and set the brakes.

Throughout this manual, when directed to shutoff and lockout power, be familiar with the previously described procedures for the type of machine you are operating.

5.2. TRACTOR SETUP

IMPORTANT: NEVER OPERATE PTO ABOVE ITS NORMAL 1000 RPM RATING. TRACTOR'S PTO MUST MATCH IMPLEMENT PTO.

This spreader must be operated with a 1000 RPM PTO. No PTO adapter may be used to alter speed or geometry. The hitch of the spreader is designed for a standard tractor drawbar. Adjust the drawbar at 15 to 22 inches above the ground. Extend or shorten the drawbar so horizontal distance from end of tractor PTO shaft to center of the hitch pin hole is 20" (1 3/4-20), 16" (1 3/8-21). Secure the drawbar so that the hitch pin hole is located directly below the PTO drive line. See FIGURE 1 for location of standard measurements.

An improperly located hitch point may cause damage to the universal joints of the PTO drive shaft. Conforming to the standard 16" or 20" drawbar & PTO relationship will ensure that the PTO drive shaft will not become over-extended.

WITH INITIAL HOOK-UP TO YOUR NEW MEYER SPREADER TEST PTO TRAVEL BY TURNING EQUIPMENT IN BOTH DIRECTIONS OBSERVING THE MINIMUM AND MAXIMUM TRAVEL DIMENSIONS AS SHOWN, FIGURE 2.

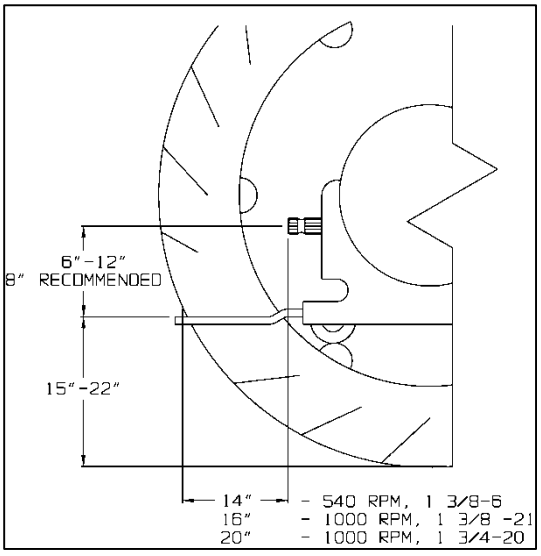


FIGURE 1. TRACTOR DRAWBAR & PTO SPECIFICATION

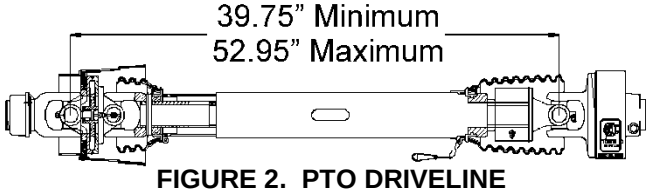


FIGURE 2. PTO DRIVELINE

5.3. PRODUCT INSPECTION

WARNING: INSPECT REGULARLY THAT ALL CONNECTIONS AND BOLTS ARE TIGHT AND SECURE BEFORE OPERATING. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

5.3.1. WHEELS AND TIRES

See page 82 for Wheel Torque and Tire Inflation Charts.

Check for proper assembly and adjustment and make sure that all bolts are tightened. Securely retighten after a few hours of operation, as bolts can loosen up on new machinery. Check wheel lug nuts upon delivery and periodically thereafter. Check the tires and inflate to the recommended pressure. See wheel torque and tire inflation charts on page 82.

5.3.2. AXLE, O-BEAMS, SPINDLES AND HITCH

DANGER: INSPECT THE AXLES, O-BEAMS, SPINDLES, TIRES, HITCHES, SAFETY SHIELDING, SAFETY SIGNS AND SAFETY LIGHTING REGULARLY. THESE PARTS OF YOUR IMPLEMENT, IF NOT WATCHED CLOSELY, COULD POSE POTENTIAL INJURY INCLUDING DEATH. IF AN ITEM IS FOUND IN NEED OF REPAIR, TAG THIS UNIT AS INOPERABLE AND HAVE QUALIFIED PERSONNEL REPAIR IMMEDIATELY.

The entire axle, o-beam, spindle and hitch should be visually inspected for cracks regularly. Any cracks found will indicate immediate repair or replacement is necessary.

Some parts will wear due to use. It is highly recommended to replace critical safety items such as a hitch that has worn through the "Wear Plate" or is less than three quarters of its original thickness.

5.3.3. CRACKS

The entire axle, o-beam, spindle and hitch should be visually inspected for cracks regularly. Any cracks found will indicate immediate repair or replacement is necessary.

5.3.4. WORN COMPONENTS

Some parts will wear due to use. It is highly recommended to replace critical safety items such as a hitch that has worn through the "Wear Plate" or is less than three quarters of its original thickness.

5.3.5. HYDRAULICS

WARNING: HYDRAULIC FLUID ESCAPING UNDER PRESSURE CAN HAVE SUFFICIENT FORCE TO CAUSE INJURY. KEEP ALL HOSES AND CONNECTIONS IN GOOD SERVICEABLE CONDITION. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Whenever working on any part of the hydraulics, safely relieve hydraulic pressure before starting.

5.4. HITCHING TO TRACTOR

Do not allow anyone to stand between the tongue or hitch and the tractor when backing up to the spreader. Fasten the spreader hitch to the tractor drawbar with a hitch pin that cannot bounce out. Use a 1-5/16” to 1-3/8” diameter hitch pin.

Remove the weight from the jack (jack is not to be used when spreader is loaded). Remove the jack from round mount tube and move to the transport storage tube on the front of the spreader drive enclosure. Store in a horizontal position.

Before operation and after hitching the tractor to the spreader, connect the PTO drive shaft to the tractor. Slide the spring loaded locking collar onto the PTO yoke rearward, and then slide the yoke onto the tractor PTO shaft.

Release the spring loaded collar. Be sure the pins fall into the groove of the tractor PTO shaft and that the collar snaps forward into the locked position.

NOTICE: DO NOT USE A STEEL HAMMER TO AID IN JOINING PTO PARTS.

Route hydraulic hoses through the hose support rod which is mounted to the hitch frame, Figure 3. Connect the hydraulic hoses for the flow control rear gate to the tractor's double acting valve hydraulic system. Move the tractor hydraulic controls to observe proper flow gate operation. If the controls operate the gate in opposite directions to what you expect, reverse the hydraulic hose connections at the tractor.

WARNING: HYDRAULIC FLUID ESCAPING UNDER PRESSURE CAN HAVE SUFFICIENT FORCE TO CAUSE INJURY. KEEP ALL HOSES AND CONNECTIONS IN GOOD SERVICEABLE CONDITION. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

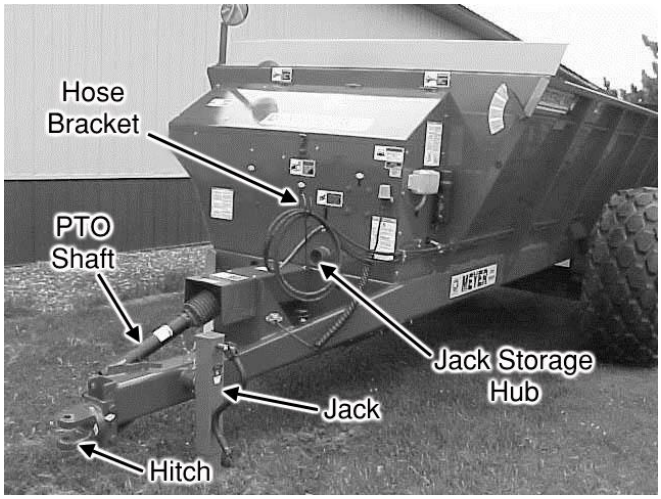


FIGURE 3. SPREADER HOOKUP

5.5. PTO DRIVELINE

WARNING: SHUTOFF AND LOCKOUT POWER BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

DANGER: DO NOT OPERATE WITHOUT PTO GUARD ON SPREADER AND ON TRACTOR. MAINTAIN PTO DRIVE SHAFT GUARD TUBES IN OPERATING CONDITION. REPLACE THEM IF DAMAGED AND NOT TURNING FREELY. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

See your PTO Installation, Service, and Safety Instruction Manual for additional PTO details. Call Meyer Manufacturing Corporation at 1-800-325-9103 for a replacement manual.

See your ADMA Safety Manual for further safety situations and precautions that you should familiarize yourself and those that may be operating this equipment. Call Meyer Manufacturing Corporation at 1-800-325-9103 for a replacement manual.

5.5.1. UNDERSTANDING THE PTO CUT-OUT CLUTCH

The Meyer 8720/8865 Industrial Series Spreader is equipped with a cutout type clutch on the implement half of the PTO driveline. The clutch is designed to limit the amount of torque transferred to the machine through the driveline. If excessive torque is developed the clutch will disengage. A loud ratcheting sound will be heard and the transfer of power to the machine will be disrupted. To re-engage the machine, simply shut down the PTO and allow the driveline to come to a stop. The PTO can then be re-engaged to restart the spreader. The cutout clutch will either re-engage upon shut down of the PTO or just before it comes to a complete stop.

The cutout clutch will disengage if start up is done in an abrupt or reckless manner. It also will disengage from foreign materials entering the spinner area of the spreader. It may also be possible to disengage the clutch by overloading or flooding the spinners with free flowing or liquid manure. If PTO clutch fails to re-engage it will be necessary to remove the foreign object from the spreader before restarting. **THERE IS NO FIELD ADJUSTMENT ON THE CUTOUT CLUTCH.**

5.5.2. PTO, ATTACHMENT OF

The cutout clutch end of the PTO driveline must always be attached to the implement. The PTO driveline is equipped with a 1 3/8-6 spline on the implement half for attaching to the spreader. Remove the M17-hexagon bolt from the splined hub and slide the PTO onto the implement splined input shaft. Install the hexagon bolt through the hub being sure the bolt is falling into the groove on the splined shaft. Torque tight using a metric size M17 6-point socket and torque down to 75 ft. lbs. **A M17 6-POINT METRIC SOCKET MUST BE USED AS ROUNDING OF HEXAGON BOLT AND INACCURACY OF TORQUE SETTINGS COULD OCCUR.**

If removal of the M-17 hexagon bolt is necessary, use the same M-17 6-point socket and loosen bolt ½ turn. Insert a ¼" drift punch in the hole on the opposite side of the hexagon bolt and tap to loosen the seated portion of the bolt from the splined hub. Loosen in ½ turn increments and tapping to loosen. After bolt seat has been released, remove the bolt. If bolt is not unseated, damage to the hexagon bolt will occur.

Attach the shield safety chain to a suitable area on the spreader, preferably to the implement PTO steel shield.

5.6. OPERATIONAL CHECKS

DANGER: MAKE CERTAIN ALL PERSONNEL ARE CLEAR OF THE SPREADER AND THE ROTATING SPINNERS BEFORE APPLYING POWER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

See Lubrication and Adjustment sections for further detail.

Before loading spreader, slowly engage the tractor PTO and operate machine at idle speed for several minutes to ensure the spreader is lubricated and operating properly.

5.7. TRANSPORTING

5.7.1. SPEED

WARNING: DO NOT TOW AT SPEEDS GREATER THAN 20 MPH. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Operating speed is dictated by the terrain over which you are traveling. Always use caution. Avoid traveling on slopes or hills that are unsafe.

5.7.2. PUBLIC ROADWAY TRAVEL

WARNING: OBSERVE ALL APPLICABLE TRAFFIC LAWS WHEN TRANSPORTING ON PUBLIC ROADWAYS. CHECK LOCAL LAWS FOR ALL HIGHWAY LIGHTING AND MARKING REQUIREMENTS.

WARNING: INSTALL A SMV EMBLEM ON THE REAR OF THE SPREADER FOR TRANSPORTING ON ROADWAYS AND KEEP THIS EMBLEM CLEAN AND BRIGHT. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

If you will be traveling on public roadways and it is legal to do so, you must know all rules governing such operation. This will include lighting, brake requirements, and safety chains, in addition to all local, state, and federal traffic rules. Lighting and reflective decals need to be clean, visible, and operational.

Check that the rear discharge gate is completely closed. It is unlawful to allow slurry to splash or leak onto public roadways.

Check for traffic constantly. Be sure that no one is attempting to pass and that all traffic is sufficiently clear before making any turns.

5.7.2.1. Truck Mounted Spreader Lights

Depending on the make and model of the truck it may be necessary to install a light converter (MEYER PART #56-0028). Converter will allow signal lights and brake lights to operate according to DOT lighting standard. Call factory for more information.

5.7.3. MINIMUM TRACTOR WEIGHT

Minimum Tractor Weight is calculated as 2/3 of the towing implement's gross weight (GW)

Spreader Loaded Weight X .667 = Minimum Tractor Weight Up To 20 MPH

MODEL	MAXIMUM SPREADER GROSS WEIGHT (LBS)	MINIMUM TRACTOR WEIGHT UP TO 20 MPH (LBS)
SI8720T	46,645	31,000
SI8865T	56,140	37,500

Tractor PTO Horsepower Requirements: The PTO horsepower requirements may not reflect adequate tractor size for towing the machine. Refer to tractor weight requirements for these recommendations and safety section for additional tractor and towing requirements.

5.7.4. SAFETY CHAIN

CAUTION: A SAFETY CHAIN MUST BE INSTALLED TO RETAIN THE CONNECTION BETWEEN TRACTOR (OR OTHER TOWING VEHICLE) AND SPREADER WHENEVER TRAVELING ON PUBLIC ROADS IN CASE THE HITCH CONNECTION WOULD SEPARATE. A SUGGESTED ATTACHMENT IS ILLUSTRATED ON FIGURE 4.

The chain must be of adequate size to hold the weight of the loaded spreader (See table on page 17). See your ag cart or wagon owner / operator's and parts book, which is also available at www.meyermfg.com. If using a grab hook at the end(s) of the chain to secure the chain to itself, a hook latch must be installed.

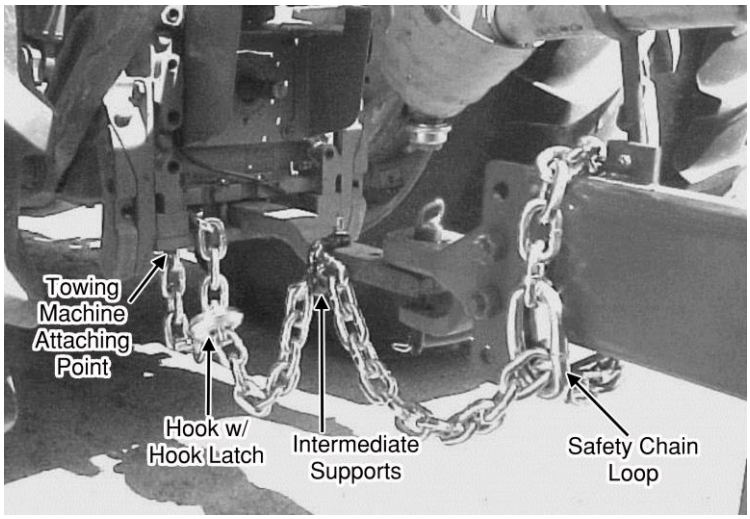


FIGURE 4. SAFETY CHAIN INSTALLATION

The length of the safety chain is not to be any longer than necessary to turn without interference. If any chain links or attachment hardware are broken or stretched, repair before using. Store chain so it does not corrode or become damaged. Do not use this chain for other implements because the strength and length of the chain may not be adequate. Identify this chain for use on this particular spreader. Do not use the intermediate support as the attaching point.

If you do not have a safety chain, or need a replacement safety chain, see your local Meyer dealer and do not operate on public roads until you are able to travel with the safety chain properly installed.

5.7.5. OPTIONAL BRAKE PACKAGE

See INST-BRAKE-IMT for maintenance and adjustment information on this optional brake equipment. Call Meyer Manufacturing Corporation at 1-800-325-9103 for a replacement manual.

6. OPERATION

WARNING: SHUTOFF AND LOCKOUT POWER BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

6.1. LOADING

CAUTION: DO NOT USE JACK EXCEPT WHEN SPREADER IS EMPTY. JACK WILL NOT SUPPORT ADDED WEIGHT. UNBALANCED WEIGHT MAY RESULT IN UNEXPECTED "TIP UP" OF SPREADER.

IMPORTANT: OVERLOADING MAY CAUSE FAILURE OF AXLES, TIRES, STRUCTURAL MEMBERS, HITCHES, LOSS OF VEHICLE CONTROL, ETC. DO NOT EXCEED MAXIMUM NET LOAD.

IMPORTANT: THIS MACHINE IS NOT INTENDED TO BE A BALE GRINDER, HAY CHOPPER OR BEDDING MACHINE. LONG HAY OR STRAW MUST CONTAIN MANURE IN ORDER TO BE SPREAD. FAILURE TO COMPLY MAY DAMAGE THE DRIVETRAIN AND VOID THE WARRANTY.

NOTICE: TO PREVENT DAMAGE TO AUGERS, SPINNERS, AND DRIVE LINES, FOREIGN OBJECTS (STONES, CONCRETE, TIMBER, METAL OR LARGE FROZEN CHUNKS OF MANURE) SHOULD NEVER BE LOADED INTO THE SPREADER.

Before loading, especially in freezing weather, make sure the augers and spinners are free to rotate and the flow control rear gate moves freely up and down.

Check and be sure that the flow control rear gate is completely closed before loading.

When the spreader is parked for loading, shift the tractor to neutral or park and set the brakes. The moisture content of the manure will determine how full the spreader can be loaded so that no manure spills out.

You will probably be able to load solid manure at least level with the top of the box while semi-liquid and liquid manure will have to be less than full in the spreader box. It is unlawful to allow manure to splash or leak onto public roads.

A liquid manure kit is available for installation around the top of the box on your spreader which will aid in the containment of liquids.

6.1.1. OVERLOADING

MATERIAL ESTIMATED WEIGHT PER CUBIC FOOT PER SAE D384.2

MATERIAL	LBS / CU. FT.
LIME SLUDGE	110-115 LBS.
DRY FEEDLOT MANURE	63-65 LBS.
CHICKEN LITTER	63-65 LBS.
CAKE SLUDGE	62-65 LBS.
SEMI-SOLID MANURE	58-60 LBS.
PEN PACKED MANURE	30-35 LBS.
LIQUID MANURE	63-65 LBS.

NOTE: Overloading can have detrimental effects on the integrity of the spreader and its safe use. **Some materials such as lime sludge may not be able to be filled to struck level.** Overloading will void warranty and increase risk to the operator's safety. Always be aware of your Gross Weight.

MAXIMUM SPREADER LOAD WEIGHTS					
Model	2636	3245T	3954T	8720T	8865T
Maximum Gross Weight (Pounds)	12,000	24,000	32,000	46,645	56,140
Total Net Weight (Pounds)	6,100	7,640	8,650	11,445	18,140
Cubic Foot Capacity**	181	227	272	468	562
Capacity in Gallons	1,355	1,694	2,033	3,500	4,200

**Struck capacity, heaped loads significantly increase weight.

6.2. UNLOADING

DANGER: MAKE CERTAIN ALL PERSONNEL ARE CLEAR OF THE SPREADER AND THE ROTATING SPINNERS BEFORE APPLYING POWER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

When you are ready to begin spreading application on the field, open the hydraulic flow control rear gate and slowly engage the tractor PTO clutch. This can be done while traveling forward to avoid a heavier application of liquid manure at the edge of the field than desired.

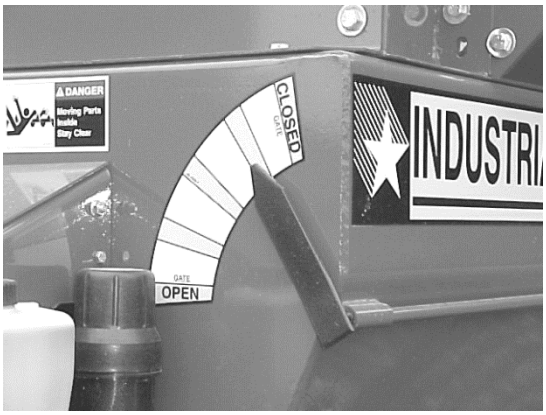


FIGURE 5. FLOW CONTROL GATE INDICATOR

For liquid and semi-liquid manure, the application rate can be controlled by the amount the flow control rear gate is opened. The gate indicator on the front of the box will provide a ready reference for the amount of opening. For solid manure (dry, pen-packed or manure containing long straw or hay) the flow control rear gate MUST be completely open since this material is not free flowing.

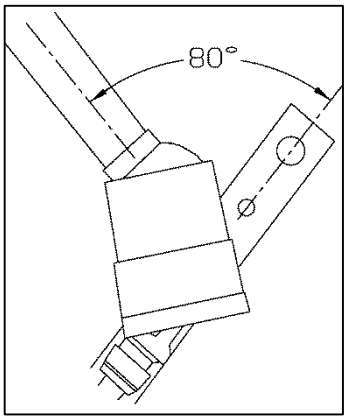
The rear spinners have been designed and tested to provide the best spread pattern for most liquids and semi solid manure. However, the pattern will vary for each specific condition. The factors that contribute most to differing patterns will be moisture content and the amount and length of bedding material. For most typical conditions, the spread pattern should be uniform and about 15 ft. wide. When this is the case, plan your spreading patterns so you do not have to travel over previously spread manure which will be slippery, resulting in poor traction. Traction on wet grass is also poor. When the resulting pattern may require that you overlap during spreading, use precautions on slopes and hills where you could experience a loss of traction by traveling over ground with previously spread manure.

NOTE: Further control of the application rate is possible by the relationship of tractor engine speed to ground speed (transmission gear selection). For optimum, trouble-free performance it is recommended to operate at or near engine PTO speed.

When the spreader is empty, idle the tractor and stop the PTO. Close the flow control rear gate.

NOTE: Failure to idle the tractor before disengaging the PTO will cause roller chain over-running and damage to the chain tighteners.

NOTE: Maximum life of the PTO shaft universal joints will result if you stop the PTO while making turns at the end of the field.



NOTICE: DO NOT EXCEED THE MAXIMUM 80° TURNING ANGLE ON THE CONSTANT VELOCITY PTO DRIVELINE. EXCEEDING THE TURNING ANGLE WILL DAMAGE THE CONSTANT VELOCITY "CENTER HOUSING" AND WILL EXERT EXCESSIVE PRESSURES ON THE PTO INPUT CENTER SHAFT AND RELATED BEARINGS.

6.2.1. SHEAR SPROCKET

The Meyer Spreader you have received has been equipped with a shear sprocket design on the main auger drive sprockets. The augers are being driven by two Allen head grade 8 bolts. The design is such that if the bolts are sheared another set of holes to install new shear bolts will always be accessible without turning over the machine.

The plate sprocket is set up with the initial drive bolts being 9/16" diameter (Prior to SN SI088865/8720287), 5/8" diameter (SN SI088865/8720287 and later). Install the new bolts in the proper way as to drive off of **THE HEAD** of the bolt, not on the nut.

PART NO.	DESCRIPTION
831-5618-1.75	9/16-20x1-3/4" Allen Head Cap Bolt
831-5618-1.75-SL	9/16-20x1-3/4" Allen Head Cap Bolt
884-5618	9/16-20 Top Locknut Grade 8
831-6318-1.75	5/8-18x1-3/4" Allen Head Cap Bolt
884-6318	5/8-18 Top Locknut Grade 8
910-0100	140B35 Shear Sprocket Assembly Complete

6.2.2. FREEZING WEATHER OPERATION

Allow spreader to completely empty last of manure contents, shutoff and lockout power and allow all movement to stop before attempting to clean the spreader.

Scrape clean any remaining manure from inside the rear of spreader. Clean all manure from ends of augers, flow control rear gate and spinners.

Make certain that all personnel are clear of the spreader and the rotating spinners before slowly engaging the PTO. Operate the spreader several minutes to clean manure scrapings and to allow any remaining manure and the spreader to freeze dry. Hydraulically run the flow control rear gate up and down to clean gate slide guides. Park spreader with flow control rear gate approximately halfway open.

Before loading in freezing weather, make sure augers and spinners are free to rotate, and the flow control rear gate moves freely up and down.

7. ADJUSTMENTS

WARNING: SHUTOFF AND LOCKOUT POWER BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

7.1. FRONT DRIVE ROLLER CHAINS

There are six roller chain drives located at the front of the spreader. Regularly check that all tensioning springs are in serviceable condition for automatic roller chain tightening. Manually adjust spring pensioners (as needed) by turning double locknuts on all tensioning bolt/idler assemblies. Proper roller chain tension is when 1/4" to 1/2" deflection occurs on the slack side of the chain. Regularly re-check all roller chain tensions. Keep all roller chains tight at all times! For clarity purposes, the following illustrations detail each roller chain reduction separately.

NOTE: The side bars of the roller chains will wear into the idler nylon rollers up to the rollers of the roller chain forming grooves. These grooves will serve as a guide when the roller chain loosens due to normal use. From this point on, after tightening, the idler nylon rollers should run for hundreds of hours without any noticeable wear.

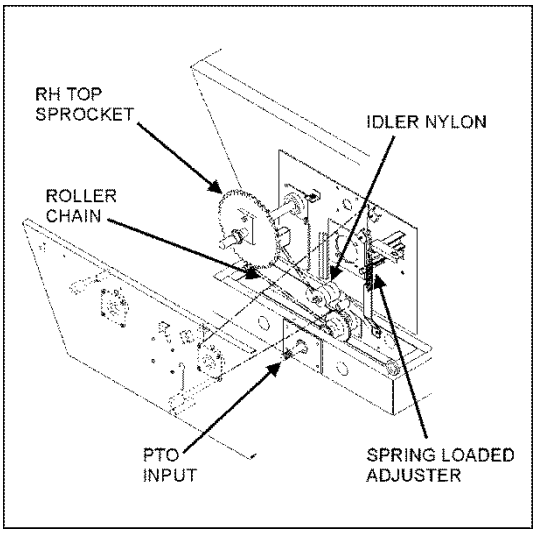


FIGURE 6. FIRST CHAIN DRIVE

The first chain drive (PTO input shaft to the large RH top sprocket, Figure 6) is automatically tensioned by a spring loaded idler nylon roller. The extension spring should extend 2” from its neutral 5” total length.

Manual adjustment for the automatic tensioning idler, nylon roller assembly is located at the left rear of the spreader’s front bearing mounting plate.

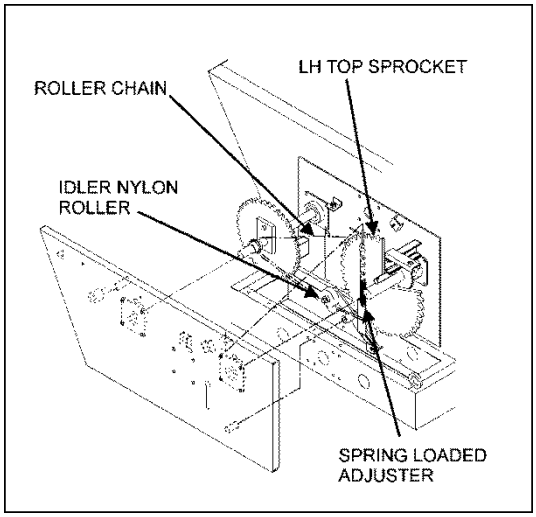


FIGURE 7. SECOND CHAIN DRIVE

The second chain drive (large RH top sprocket to the large LH top sprocket, Figure 7) is automatically tensioned by a spring loaded idler nylon roller. The extension spring should extend 2” from its neutral 5" total length.

Manual adjustment for the automatic tensioning idler, nylon roller assembly is located at the left rear of the spreader’s front bearing mounting plate.

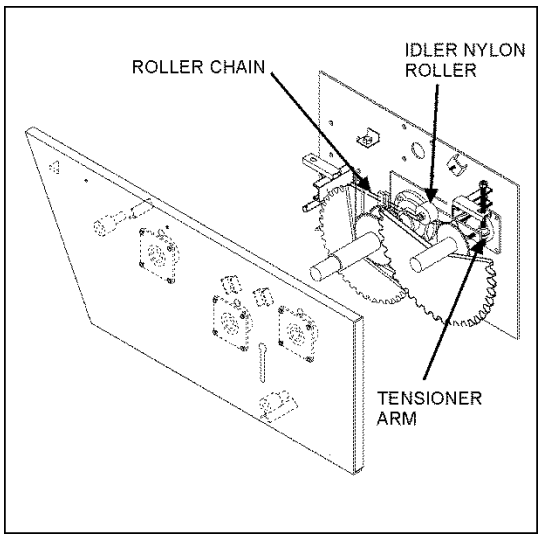


FIGURE 8. THIRD CHAIN DRIVE

The third chain drive is automatically tensioned by a spring-loaded nylon idler roller. The compression spring should be compressed to 4.5" in length. See Figure 8.

To increase tension on the automatic tightener, tighten the adjuster bolt located at the left side of the spreader.

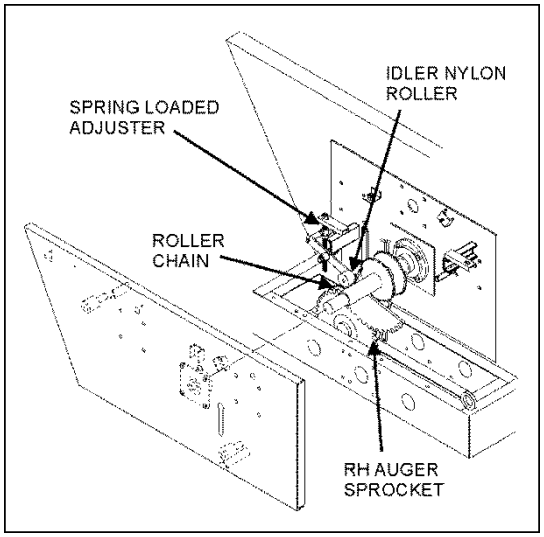


FIGURE 9. RH AUGER CHAIN DRIVE

The RH auger chain drive (Figure 9) is automatically tensioned by a spring loaded idler nylon roller. The compression spring should be compressed to 4.5" in length. See Figure 9.

To increase tension on the automatic tightener, tighten the adjuster bolt located at the right side of the spreader.

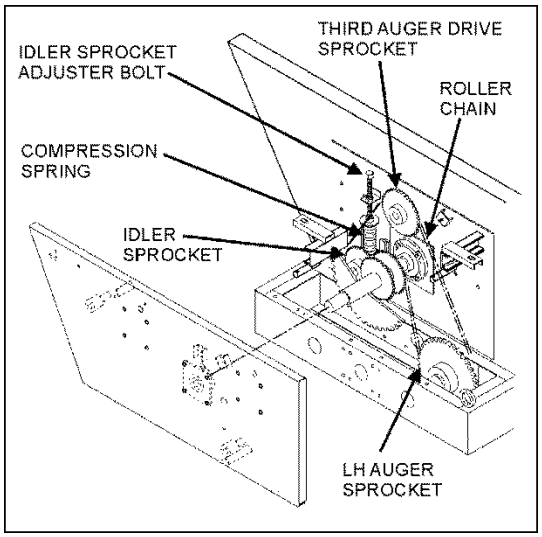


FIGURE 10. LH & THIRD AUGER CHAIN DRIVE

The LH and third auger chain drive is automatically tensioned by a spring loaded heavy compression spring and sliding idler sprocket assembly (Figure 10). The heavy compression spring should be compressed to 4” in length.

Manual adjuster bolt for the automatic tensioning idler assembly is located slightly right of center on the spreader tank.

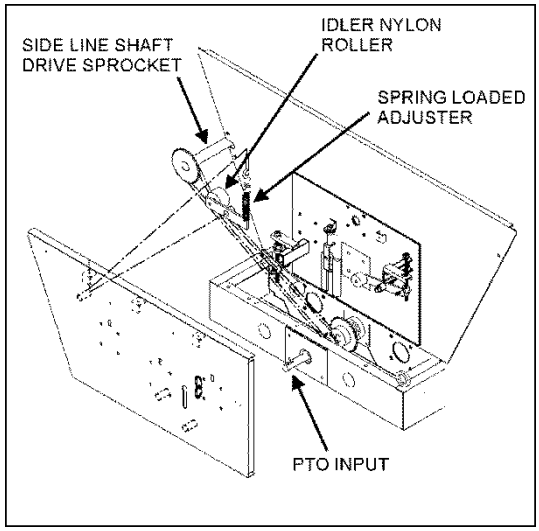


FIGURE 11. SIDE SHAFT CHAIN DRIVE

The side shaft chain drive (PTO input shaft to the side line shaft drive sprocket, Figure 11) is automatically tensioned by a spring-loaded idler nylon roller. The extension spring should extend 2" from its neutral 5" total length.

Manual adjustment for the automatic tensioning idler, nylon roller assembly is located at the right rear of the spreader's front bearing mounting plate.

7.2. SPINNER MATERIAL GUIDES

Regularly inspect and adjust two spinner material guides located at both the left rear and right rear of the spreader. Create a 1/8-3/8" clearance between material guides and spinner teeth (Figure 12). Maintain the recommended clearances for maximum spreading pattern. Adjust to prevent excessive manure build-up on material guide inner surfaces. Adjust to prevent manure chunks or foreign object lodging between material guides and spinner teeth.

NOTE: Excessive lodging can cause premature spinner tooth wear, "bent-over" or even breakage.

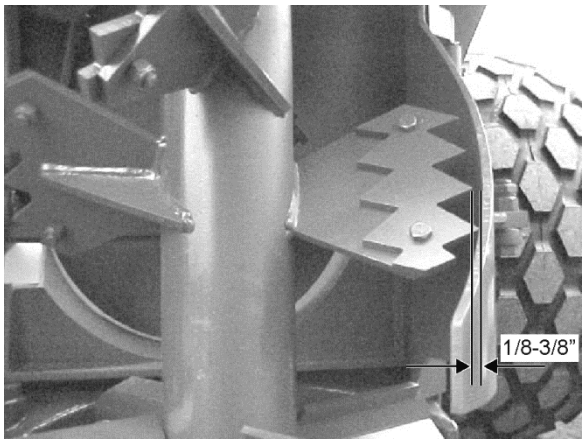


FIGURE 12. MATERIAL GUIDE CLEARANCE

7.3. SHEAR ARM MATERIAL GUIDE

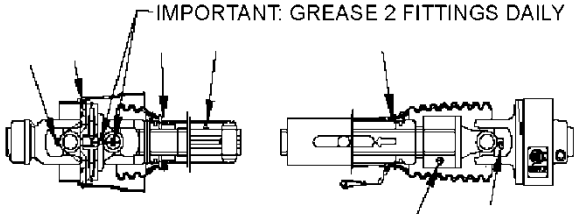
Adjustment for the 1/8-3/8" clearance of each material guide to spinner tooth is made by loosening the jam nut on the linkage arm and turning the linkage arm to either move the guide in closer or out farther from the spinner teeth. After adjustment has been made for the 1/8"-3/8" clearance, retighten the jam nut to hold the material guide in place. Once recommended clearance is obtained turn spinners over by hand in the direction by which the spreader would turn to check clearance. Do not turn in the opposite direction as front chain tightener damage could occur. If foreign objects enter the spinner area the front pivot bolt on the shear arm is designed to shear. The extension spring will pull the material guide away from the spinner until the shear bolt is replaced. The 1/2-13 x 3 1/2" grade 5 replacement machine bolts are stored under the rear shield. For replacement install with 1/2" flat washer on top of shear eye and on bottom of block and tighten nylon locknut firmly.

8. LUBRICATION

WARNING: SHUTOFF AND LOCKOUT POWER BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

8.1. DAILY LUBRICATION (EVERY 8-12 LOADS)

L1 Grease (2) rear spinner lower bearings. These bearings are grease line fitted to the LR frame channel of the spreader.



L2 Oil (6) roller chain drives with automatic oiler at the front of spreader with clean 30-weight oil. The roller chains are accessible by opening the front steel shielding cover.

L3 Grease PTO Drive line (9) places with Lithium grease every 8 hours.

L4 Grease (7) bearings supporting the three large jack shaft reduction sprocket weldments and the third auger drive shaft on the front drive. The zerks are accessible by the right front side grease bank and through the access holes in front plate. Be careful not to over grease.

L5 Grease (2) auger shaft bearings. These bearings are grease line fitted to the LF and RF frame channels of the spreader. Over greasing is not possible (10-15 pumps minimum).

IMPORTANT: Check regularly for any observable lubricant leakage of the (3) gearboxes at the rear of the spreader. See L12 & L14 under *Monthly Lubrication*.

8.2. WEEKLY LUBRICATION (EVERY 25-30 LOADS)

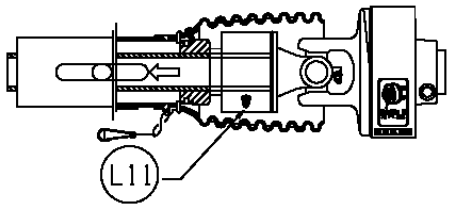
L6 Grease (3) PTO input shaft bearings. These bearings are grease line fitted to the RF frame channel and the front bearing channel of the spreader.

L7 Grease (5) bearings on the RH side line shaft. The front bearing is zerk accessible through the RF steel shielding. The remaining rear bearings are located along the RH side of the spreader tank, zerks accessible through the steel shielding.

L8 Grease (2) tandem wing pivots. Effectively grease by jacking up the spreader to relieve pressure points on the pivot shaft and tandem wing collar. Over greasing is not possible.

L10 Grease (2) flow control rear gate slide guides. With the flow control rear gate opened, grease the slide guides from top side. Allow grease to lubricate flow control rear gate ends and slide guide surfaces. In freezing weather dump used motor oil down each slide guide once a week or more often if needed. Over greasing is not possible.

L11 Grease (1) integral overrunning clutch at rear of the PTO drive line. The zerk is on the yoke of the cut out clutch. Use Shell Super Duty or an equivalent lithium grease.



8.3. MONTHLY LUBRICATION

(L12) Maintain oil level in the corner gearbox at the centerline of the input shafts. Check regularly for any observable oil leakage. If oil leakage is excessive, replace required input/output shaft oil seals. Use ONLY EP #80-90 wt. gear lube oil or an equivalent in corner box, only Lighter weight gear lube oil may be used in temperatures lower than 20°F. Change oil in the gearboxes after the first season of use and regularly thereafter.

(L13) Grease (1) brass bushing supporting the rear shaft of the 3rd auger assembly. This zerk is located on the left rear corner of the tank above the inner cross brace.

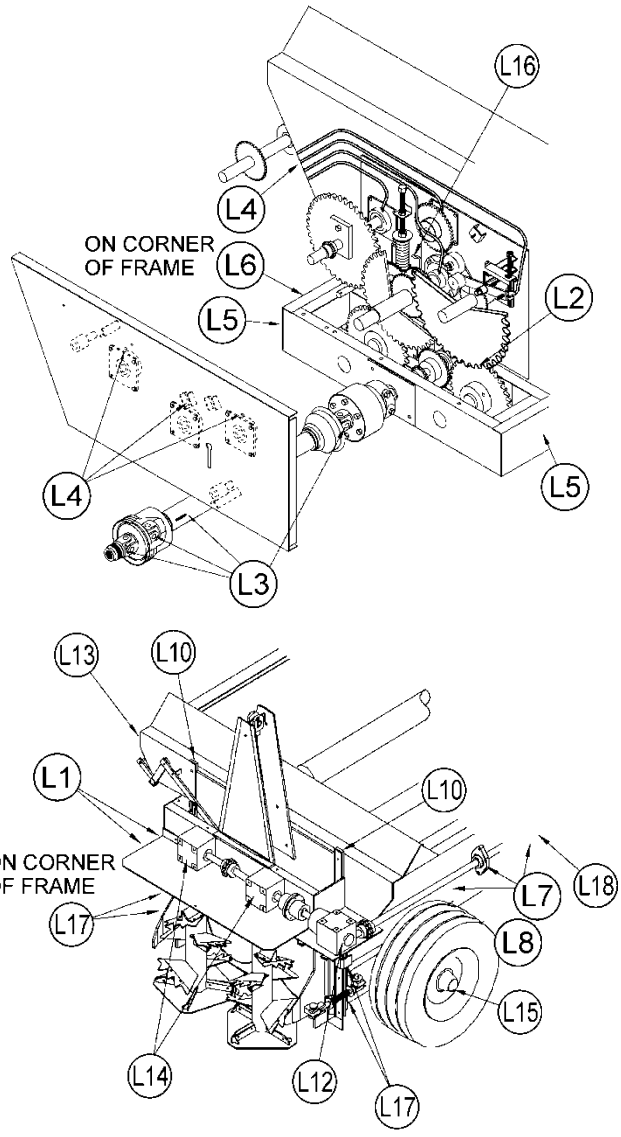
(L14) Maintain the lube level in the (2) spinner gearboxes at 3/4 full. Check regularly for any observable leakage. If leakage is excessive, replace required input/output shaft seals. Lubricate with Semi-Fluid, EP Lithium Base, Gear Grease.

(L15) Clean and repack the wheel hubs with axle grease annually. Grease hub through zerk in hub monthly. Hub from factory has bearings packed but hub is not fully loaded with grease. Be careful not to over grease and force seal out of back side of hub.

(L16) Oil slides on front idler tightener assembly.

(L17) Grease (4) material guide pin sleeves. (2) located on each side of the spreader.

(L18) Grease (2) T-post hold down sleeve zerks located above the cross channel on the underside of the spreader. A zerk is located on the front and one on the rear of the sleeve.



(SHIELDS REMOVED FOR ILLUSTRATIVE PURPOSES ONLY.)

8.4. PTO LUBRICATION

It is extremely important to follow the maintenance guidelines. If telescoping members become hard to slide during normal operation, it is recommended the shaft be taken apart, cleaned with solvent and recoated with grease before re-assembling. As a minimum it is important this be done after each season of use.

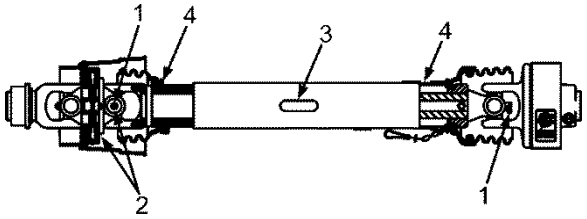


FIGURE 13. PTO DRIVELINE MAINTENANCE

8.4.1. LUBRICATION

A high quality Lithium Base Grease should be used.

8.4.1.1. Prior To Use

A. Using the CV Zerk (Key #2) place 20 pumps of grease into the CV center housing. This should be done with the driveline / CV as straight as possible.
B. Slowly articulate the double joint through its maximum joint angle several times.
C. Return the CV joint to its straight position and insert additional grease into the CV Zerk (Key #2) until grease is evident around the housing and center sliding disk.

8.4.1.2. Normal Operation

A. Lubricate the following items after every eight (8) hours of operation. If short rows and frequent turning or other demanding conditions exist, lubricate at four (4) hour intervals.

1. Cross and bearings (Key #1)-Add grease until it is purged around the seals.
2. CV center housing (Key #2)-Add grease until it is evident around the center sliding disk.
3. Telescoping members (Key #3)-Add grease until it adequately covers the sliding members. Take apart occasionally to make sure adequate lubrication is being added.
4. Shield bearings (Key #4)-Add 2-3 pumps.

FAILURE TO FREQUENTLY GREASE THE CV CENTER HOUSING AND TELESCOPING MEMBERS WILL REDUCE THE LIFE OF THE CV.

8.5. AUTOMATIC CHAIN OILER

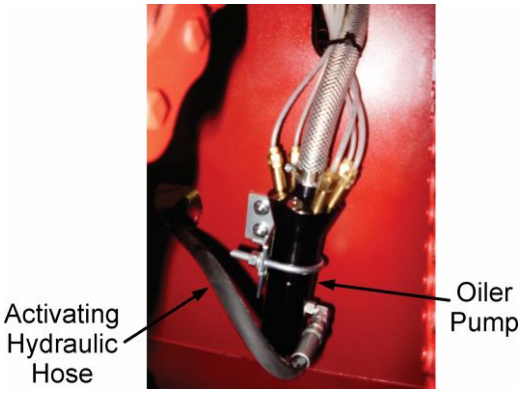
WARNING: SHUTOFF AND LOCKOUT POWER BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

WARNING: HYDRAULIC FLUID ESCAPING UNDER PRESSURE CAN HAVE SUFFICIENT FORCE TO CAUSE INJURY. KEEP ALL HOSES AND CONNECTIONS IN GOOD SERVICEABLE CONDITION. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

The automatic chain oiler attachment gives a squirt of clean oil to all roller chains every time that the spreaders rear gate, hydraulic cylinder is activated. In this way, the spreaders roller chains get oiled in direct proportion to the number of hydraulic cylinder cycles of the rear gate. This assures adequate lubrication.

New 30 weight oil, which is placed in the reservoir tank mounted on the spreader, is all that is needed to properly lubricate all roller chains and sprockets. The automatic chain oiler does not use any oil from the tractor's hydraulic system. The hydraulic hose connected to the bottom of the oiler pump only serves to power the piston in the pump every time that the spreader's rear gate is opened.

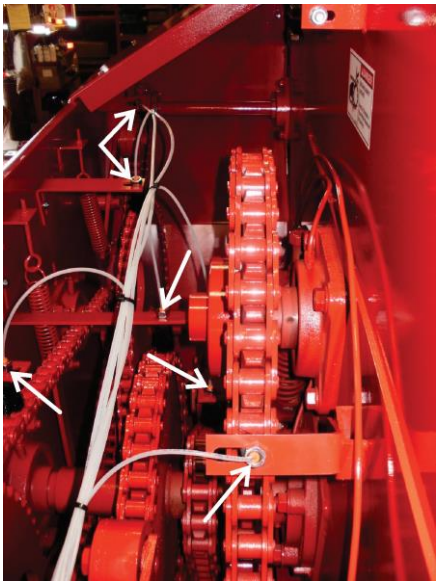
Should the oil reservoir tank run dry, pour about a 1/2 cup of clean 30 weight oil into the tank. Allow time for the oil to run down into the oiler pump slowly and allow air to escape. After thirty minutes to one hour has passed, finish filling the reservoir tank. Make sure that all fittings and brackets are tight when finished filling the tank.



While running the tractors hydraulics only, open and close the spreaders rear gate several times. This will cycle the hydraulic cylinder leading to the oiler pump. Keep cycling until oil can be seen in all of the oil lines leading to the oiler brushes. (If you experience problems priming the oiler pump, you may need to bleed air out of the hydraulic hose where it is connected to the pump. Crack the fitting until oil comes out, and then re-tighten.) The hydraulic cylinder that the oiler pump is tied into is double acting and must reach 300 PSI of pressure to actuate the pump.

When replacing oiler brushes into brush holders, use regular 1/2"-20 nuts. Tighten nut finger tight initially as some adjustment may be needed later. For best results, place brush holders over top of roller chains and directly on top of sprockets. Adjust brush holders so oiler brushes are pushed down into the roller chain approximately 1/2". Carefully tighten up the 1/2"-20 nuts on the oiler brushes. DO NOT over tighten as damage to the brush will occur. The plastic threads of the oiler brush will crack and then break off from the brush body.

IMPORTANT! The 5/32" oil line tubing can only be removed from an oiler brush by pushing in on the red plastic ring and pulling the tubing out while holding the ring down.

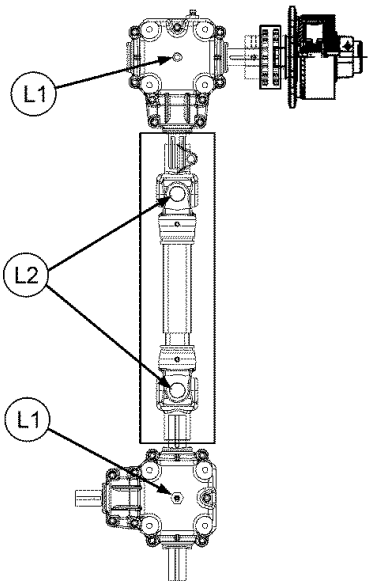


The oiler pump is set at the factory to deliver the maximum amount of oil per cycle. If less oil is desired, loosen the jam nut on the bottom of the pump and screw in the adjusting shaft 1/4" or approximately 5 turns. It is not recommended to screw the shaft into the bottom of the oiler pump more than 15 turns as this may not allow for proper lubrication of the roller chains.

IMPORTANT! Always use new 30 weight oil. In cold weather, use a SAE 10 or a mixture of two parts of 30 weight oil to one part diesel fuel.

8.6. TRUCK MOUNT MECHANICAL DRIVE, LUBRICATION OF (OPTIONAL)

8.6.1. MONTHLY LUBRICATION



L1 Keep the upper and lower gearboxes 1/2 full of 75W90 **Synthetic** oil, capacity approximately 125 oz. Check regularly for any observable leakage. If leakage is excessive, replace required input/output shaft seals as needed. **Use only synthetic 75W90 oil.**

8.6.2. DAILY LUBRICATION

L2 Grease PTO driveline (2) places with lithium grease every 8 hours.

Equivalent Viscosity of ISO-VG Grades at 104°F and SAE Gear Lube Grades

ISO-VG Grade	SAE Gear Lube Grade
46	75W
100	80W-90
220	90
460	85W-140
1500	250

9. STORAGE AFTER USE

WARNING: SHUTOFF AND LOCKOUT POWER BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

DANGER: MAKE CERTAIN ALL PERSONNEL ARE CLEAR OF THE SPREADER AND THE ROTATING SPINNERS BEFORE APPLYING POWER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Before storing this spreader for an extended period of time perform the following:

Allow the spreader to completely clean out the last load. Thoroughly hose off all manure from the outside of the spreader and the inside of the box, particularly getting the flow control rear gate mechanism clean. The wash water can be drained into your manure storage pit, or if the gate is left closed, the water can be spread on the field. After cleaning, completely lubricate the entire spreader to exclude moisture from bearings and to prevent condensation from forming during storage. See “Lubrication” pages, starting on page 22.

Oil the roller chains by running the spreader at idle speed while opening the rear gate to activate the automatic oiler system. It is also a good time to inspect all adjustments and check for parts that need repair or replacement. Performing these tasks now will guarantee that the spreader is ready for use at the beginning of the next season.

10. REPLACEMENT PARTS

10.1. INTRODUCTION

WARNING: SHUTOFF AND LOCKOUT POWER BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

WARNING: BEFORE SERVICING THIS PRODUCT, ENSURE THAT ALL PERSONNEL, INCLUDING FAMILY MEMBERS ARE FAMILIAR WITH THE SPREADER AND THE SAFETY HAZARDS THAT ARE PRESENT, ALONG WITH THE SAFETY PRACTICES THAT SHOULD BE OBSERVED WHILE WORKING ON THIS EQUIPMENT.

Whenever adjusting, cleaning, lubricating or otherwise servicing this spreader, you must shutoff and lockout power to the spreader. Because this spreader can be truck mounted or powered by a tractor, methods vary. On truck mounted units, the connection between the truck and the spreader is permanently installed and not intended to be disconnected. On trucks, disengage the PTO drive, turn off the engine, set the parking brake, remove the ignition keys and keep them in your possession to prevent anyone else from accidentally applying power to the box unexpectedly. For tractors, disconnect the PTO, disconnect and relieve pressure of the hydraulics, turn off the tractor and set the brakes.

At times, parts on this equipment will become worn or damaged. Performing repairs on this equipment can pose a risk of injury including death. To reduce risk, the party that will be doing the repair should be very knowledgeable of the implement and the equipment that they will be using to do the repair.

- Review the repair so that a plan can be put together and the proper equipment can be used to repair this implement safely and correctly.
- Personal safety equipment may include items such as safety glasses, protective footwear, hearing protection, gloves, fire retardant clothes, etc.
- The use of hoists and/or supports may be needed to handle heavy components.

WARNING: WORKING UNDER SUSPENDED PARTS PRESENTS A CRUSH HAZARD. DO NOT WORK UNDER SUSPENDED OR BLOCKED PARTS.

- If the implement is being repaired in the field, make sure the parking brake of the tractor is engaged, the implement is on solid and level ground.
- Welding and torching should be done by properly trained individuals who have proven their skills.

Throughout this manual, when directed to shutoff and lockout power, be familiar with the previously described procedures for the type of machine you are operating.

IMPORTANT: Call the factory for any additional details you may need to perform the repair. Some parts may come with instructions sheets to assist in your repair. Instruction sheets may be provided with your parts order. Otherwise, if available, they can be e-mailed or faxed for your convenience. Meyer Manufacturing Corporation's toll free number is 1-800-325-9103.

Be environmentally friendly and dispose of any waste materials properly. Recycle when appropriate.

DANGER: INSPECT THE AXLES, O-BEAMS, SPINDLES, TIRES, HITCHES, SAFETY SHIELDING, SAFETY SIGNS AND SAFETY LIGHTING REGULARLY. THESE PARTS OF YOUR IMPLEMENT, IF NOT WATCHED CLOSELY, COULD POSE POTENTIAL INJURY INCLUDING DEATH. IF AN ITEM IS FOUND IN NEED OF REPAIR, TAG THIS UNIT AS INOPERABLE AND HAVE QUALIFIED PERSONNEL REPAIR IMMEDIATELY.

10.2. CRACKS

The entire axle, o-beam, spindle and hitch should be visually inspected for cracks regularly. Any cracks found will indicate immediate repair or replacement is necessary.

10.3. WORN COMPONENTS

Some parts will wear due to use. It is highly recommended to replace critical safety items such as a hitch that has worn through the "Wear Plate" or is less than three quarters of its original thickness.

10.4. HYDRAULICS

WARNING: HYDRAULIC FLUID ESCAPING UNDER PRESSURE CAN HAVE SUFFICIENT FORCE TO CAUSE INJURY. KEEP ALL HOSES AND CONNECTIONS IN GOOD SERVICEABLE CONDITION. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Whenever working on any part of the hydraulics, safely relieve hydraulic pressure before starting.

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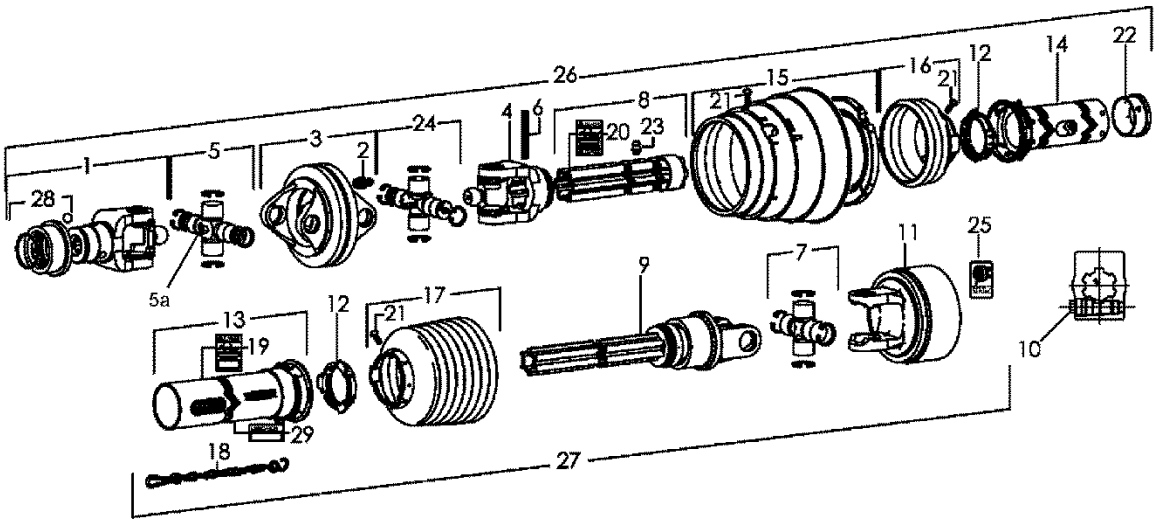
918-0308 (STANDARD 8720) (OPTIONAL 8865) (SN SI078720288-SI088720425)

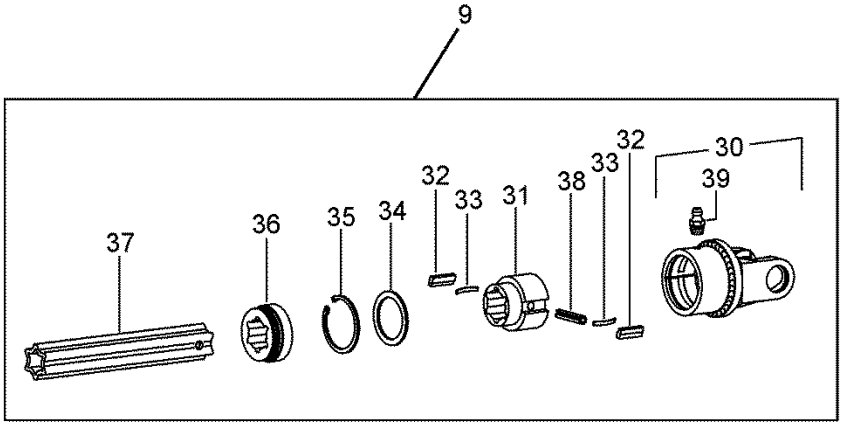
(FOR EARLIER MODELS SEE PAGE 32)

918-0408 (STANDARD 8720) (OPTIONAL 8865) (SN SI088720426 & LATER)

PTO DRIVE SHAFT-STAR PROFILE
1000 RPM 1-3/8 21 SPLINE WWE2480 (80° C.V.)

(NEW GENERATION CLUTCH/HUB)





8720-8865-918-0308-PTODriveShaft.cdr

918-0308 (STANDARD 8720) (OPTIONAL 8865) (SNSI078720288-SI088720425)

(FOR EARLIER MODELS SEE PAGE 32)

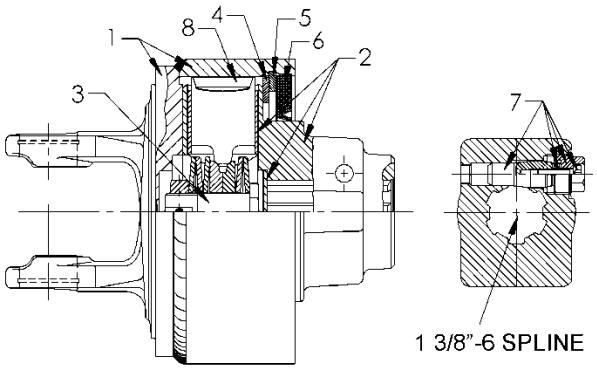
918-0408 (STANDARD 8720) (OPTIONAL 8865) (SNSI088720426 & LATER)

PTO DRIVE SHAFT-STAR PROFILE
1000 RPM 1-3/8 21 SPLINE WWE2480 (80° C.V.)

(NEW GENERATION CLUTCH/HUB)

KEY	PART NO.	DESCRIPTION
1	918-0208-1-1	Yoke 1-3/8"-21 Splined Assy.
2	918-0208-1-2	Grease Zerk in Item 3 & 9
3	918-0208-1-3	Double Yoke
4	918-0308-1-1	Inboard Yoke
5	918-0208-1-5	Cross and Bearing Kit
5a	918-0208-1-5-1	M8x1 67.5* Zerk in Cross & Bearing
6	918-0208-1-6	Spring Pin 10 x 80
7	918-0208-2-1	Cross and Bearing Kit
8	918-0308-1-2	Profile S5 and Sleeve Welded Assembly
9	918-0308-2-1	Overrunning Clutch & S4LGA Profile Assembly
10	918-0208-2-3-1	Clamp Cone Locking Pin (Prior to SN SI088720425)
	918-0410-2-1-1	Clamp Cone Locking Pin (SN SI088720426 & Later)
11	918-0308-2-2	Cut Out Clutch (Prior to SN SI088720425)
	918-0410-2-1	Cut Out Clutch (SN SI088720426 & Later)
12	918-0208-2-4	Bearing Ring SC25
13	918-0308-2-3	Outer Shield Tube OVL
14	918-0308-2-4	Inner Shield Tube Round
15	918-0308-1-3	CV Cone and Bearing Assy.
16	918-0308-1-4	Shield Cone 3-Rib

KEY	PART NO.	DESCRIPTION
17	918-0308-2-5	Shield Cone 8-Rib
18	918-0208-2-7	Safety Chain
19	918-0208-2-8	Safety Sign Decal Outer-In Item 13
20	918-0208-1-10	Safety Sign Decal Inner-In Item 8
21	918-0208-2-9	Screw-In Item 15,16 & 17
22	918-0208-1-11	Support Bearing
23	918-0208-1-12	Zerk-In Item 8
24	918-0208-1-13	Cross and Bearing Kit
25	918-0208-2-10	Safety Sign-K64
26	918-0308-1	1-3/8-21 Spline Tractor Half Assy.
27	918-0308-2	1000 RPM Implement 1/2 Assy. (Prior to SN SI088720425)
	918-0410-2	1000 RPM Implement 1/2 Assy. (SN SI088720426 & Later)
28	918-0208-1-1-1	Assembly Collar Kit (Inc. Ring, Collar & Balls)
29	918-0308-2-6	Lubrication Safety sign
30	918-0308-2-1-1-5	Clutch Housing
31	918-0308-2-1-10	Hub
32	18-0119-1-1-2	Key
33	18-0119-1-1-1	Leaf Spring
34	918-0308-2-1-3	Supporting Ring
35	18-0119-1-1-6	Retaining Ring
36	918-0308-2-1-11	Bearing Ring
37	918-0308-2-1-8	Profile - S4LGA
38	918-0308-2-1-12	Spring Pin 10mm x 55mm
39	918-0208-1-2	Grease Zerk

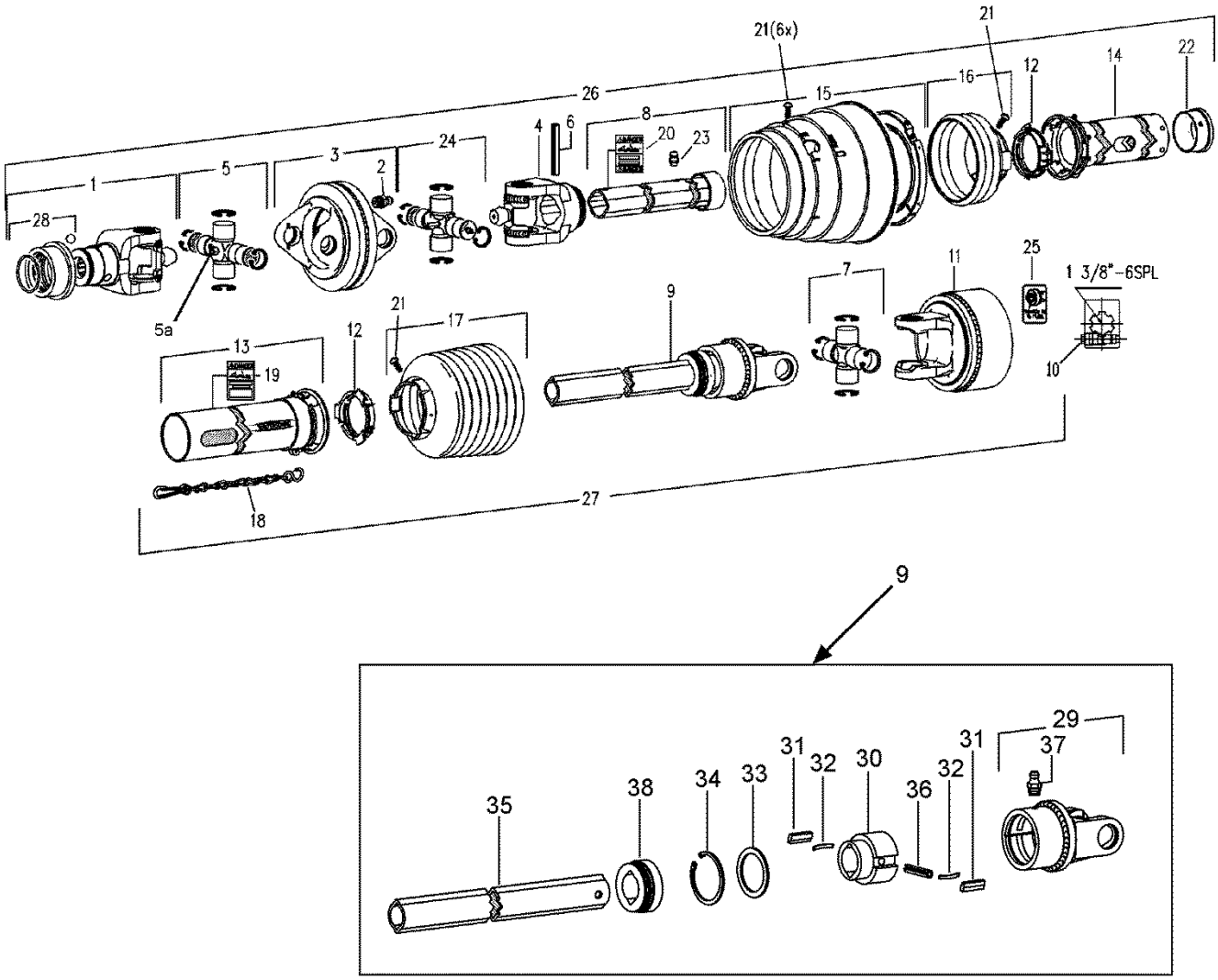


KEY	PART NO.	DESCRIPTION
1	918-0308-2-2-1	Housing
2	918-0308-2-2-2	Hub (Prior to SN SI088720425)
	618-0003-2-1	Hub (SN SI088720426 & Later)
3	918-0308-2-2-3	Spring Pack
4	918-0208-2-3-5	Washer
5	918-0208-2-3-6	Retaining Ring
6	918-0208-2-3-7	Sealing Ring
7	918-0208-2-3-1	Clamp Cone Locking Pin (Prior to SN SI088720425) (1-3/8 6 Spline)
	918-0410-2-1-1	Clamp Cone Locking Pin (SN SI088720426 & Later) (1-3/4 20 Spline)
8	918-0308-2-2-4	Cam
NS	918-0208-2-3-9	Bushing-In Item #2
NS	918-0208-2-3-11	Shim Kit

918-0208
PTO DRIVE SHAFT ASSEMBLY
1000 RPM-21 SPLINE / 1-3/8" YOKE WWE2480 (80° C.V.)

(OLD GENERATION CLUTCH/HUB)

USED PRIOR TO SN SI078720287.
FOR LATER MODELS SEE PAGE 30.



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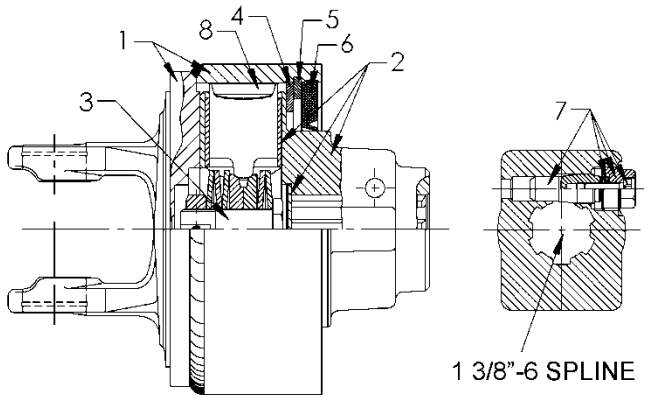
918-0208
PTO DRIVE SHAFT ASSEMBLY
1000 RPM-21 SPLINE / 1-3/8” YOKE WWE2480 (80° C.V.)

(OLD GENERATION CLUTCH/HUB)

KEY	PART NO.	DESCRIPTION
1	918-0208-1-1	Yoke 1-3/8"-21 Splined Assembly
2	918-0208-1-2	Grease Zerk in item 3
3	918-0208-1-3	Double Yoke
4	918-0208-1-4	Inboard Yoke
5	918-0208-1-5	Cross and Bearing Kit
5a	918-0208-1-5-1	M8x1 67.5* Zerk in Cross & Bearing
6	918-0208-1-6	Spring Pin 10 x 80
7	918-0208-2-1	Cross and Bearing Kit
8	918-0208-1-14	Profile and Sleeve Wa
9	918-0208-2-2	Overrunning Clutch & 1bGA Profile Assy.
9a	918-0208-2-2-1	1bGA Profile Male Tube Only
10	918-0208-2-3-1	Clamping Cone Bolt (Included in Item 11)
11	918-0208-2-3	Cut Out Clutch
12	918-0208-2-4	Bearing Ring SC25
13	918-0208-2-5	Outer Shield Tube OVL
14	918-0208-1-7	Inner shield Tube Round
15	918-0208-1-8	CV Cone & Bearing Assy.
16	918-0208-1-9	Shield Cone 3 Rib
17	918-0208-2-6	Shield Cone 8 Rib
18	918-0208-2-7	Safety Chain

KEY	PART NO.	DESCRIPTION
19	918-0208-2-8	Safety Sign Decal Outer - In Item 13
20	918-0208-1-10	Safety Sign Decal Inner - In Item 8
21	918-0208-2-9	Screw-In Item 15,16 & 17
22	918-0208-1-11	Support Bearing
23	918-0208-1-12	Zerk-In Item 8
24	918-0208-1-13	Cross and Bearing Kit
25	918-0208-2-10	Safety Sign-K64
26	918-0208-1	1-3/8-21 Spline Tractor Half Assembly
27	918-0208-2	1000 RPM Cutout Clutch Implement Half Assembly
28	918-0208-1-1-1	AS-Lock Kit For Item 1 (Inc. Ring, Collar & Balls)
29	918-0208-2-2-2	Clutch Housing
30	918-0208-2-2-3	Hub
31	18-0119-1-1-2	Key
32	18-0119-1-1-1	Leaf Spring
33	918-0308-2-1-3	Supporting Ring
34	18-0119-1-1-6	Retaining Ring
35	918-0208-2-2-1	Profile - 1bGA
36	918-0308-2-1-12	Spring Pin 10mm x 55mm
37	918-0208-1-2	Grease Zerk
38	918-0208-2-2-4	Bearing Ring



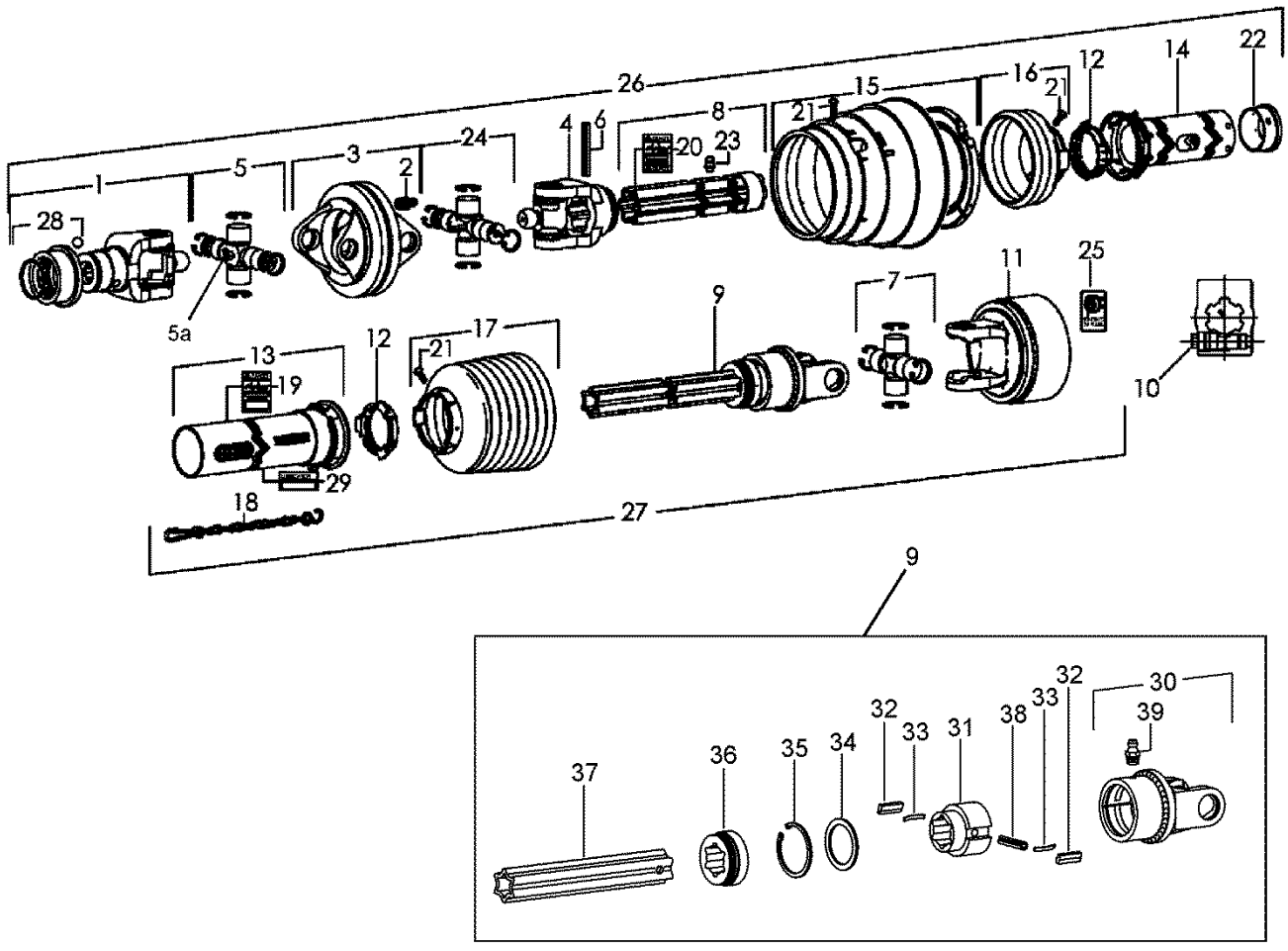
KEY	PART NO.	DESCRIPTION
1	918-0208-2-3-2	Housing
2	918-0208-2-3-3	Hub
3	918-0208-2-3-4	Spring Pack
4	918-0208-2-3-5	Washer
5	918-0208-2-3-6	Retaining Ring
6	918-0208-2-3-7	Sealing Ring
7	918-0208-2-3-1	Clamp Cone Assembly
8	918-0208-2-3-8	Cam
NS	918-0208-2-3-9	Bushing - In Item #2
NS	918-0208-2-3-11	Shim Kit

918-0310 (OPTIONAL 8720) (STANDARD 8865) (SN SI078720288-SI088720425)

(FOR EARLIER MODELS SEE PAGE 38.)

918-0410 (OPTIONAL 8720) (STANDARD 8865) (SN SI088720426 & LATER)

PTO DRIVE SHAFT-STAR PROFILE
1000 RPM 1-3/4 20 SPLINE WWE2480 (80° C.V.)
(NEW GENERATION CLUTCH/HUB)



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918-0310 (OPTIONAL 8720) (STANDARD 8865) (SN SI078720288-SI088720425)
(FOR EARLIER MODELS SEE PAGE 38)

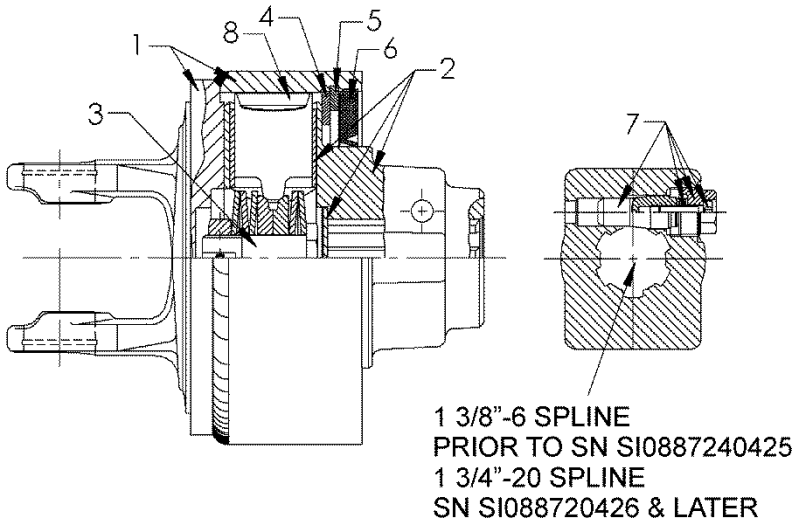
918-0410 (OPTIONAL 8720) (STANDARD 8865) (SN SI088720426 & LATER)

PTO DRIVE SHAFT-STAR PROFILE

1000 RPM 1-3/4 20 SPLINE WWE2480 (80° C.V.)

(NEW GENERATION CLUTCH/HUB)

KEY	PART NO.	DESCRIPTION
1	918-0210-1-1	Yoke 1-3/4"-20 Splined Assembly
2	918-0208-1-2	Grease Zerk in Item 3 & 9
3	918-0208-1-3	Double Yoke
4	918-0308-1-1	Inboard Yoke
5	918-0208-1-5	Cross and Bearing Kit
5a	918-0208-1-5-1	M8x1 67.5* Zerk in Cross & Bearing
6	918-0208-1-6	Spring Pin 10 x 80
7	918-0208-2-1	Cross and Bearing Kit
8	918-0308-1-2	Profile S5 and Sleeve Welded Assembly
9	918-0308-2-1	Overrunning Clutch & S4LGA Profile Assembly
10	918-0208-2-3-1	Clamp Cone Locking Pin (Prior to SN SI088720425)
	918-0410-2-1-1	Clamp Cone Locking Pin (SN SI088720426 & Later)
11	918-0308-2-2	Cut Out Clutch (Prior to SN SI088720425)
	918-0410-2-1	Cut Out Clutch (SN SI088720426 & Later)
12	918-0208-2-4	Bearing Ring SC25
13	918-0308-2-3	Outer Shield Tube OVL
14	918-0308-2-4	Inner Shield Tube Round
15	918-0308-1-3	CV Cone and Bearing Assembly
16	918-0308-1-4	Shield Cone 3-Rib
17	918-0308-2-5	Shield Cone 8-Rib
18	918-0208-2-7	Safety Chain
19	918-0208-2-8	Safety Sign Decal Outer - In Item 13
20	918-0208-1-10	Safety Sign Decal Inner - In Item 8
21	918-0208-2-9	Screw-In Item 15,16 & 17
22	918-0208-1-11	Support Bearing
23	918-0208-1-12	Zerk-In Item 8
24	918-0208-1-13	Cross and Bearing Kit
25	918-0208-2-10	Safety Sign-K64
26	918-0310-1	1-3/4-20 Spline Tractor Half Assembly
27	918-0308-2	1000 RPM Implement 1/2 Assembly (Prior to SN SI088720425)
	918-0410-2	1000 RPM Implement 1/2 Assembly (SN SI088720426 & Later)
28	918-0208-1-1-1	Assembly Collar Kit (Inc. Ring, Collar & Balls)
29	918-0308-2-6	Lubrication Safety Sign
30	918-0308-2-1-1-5	Clutch Housing
31	918-0308-2-1-10	Hub
32	18-0119-1-1-2	Key
33	18-0119-1-1-1	Leaf Spring
34	918-0308-2-1-3	Supporting Ring
35	18-0119-1-1-6	Retaining Ring
36	918-0308-2-1-11	Bearing Ring
37	918-0308-2-1-8	Profile - S4LGA
38	918-0308-2-1-12	Spring Pin 10mm x 55mm
39	918-0208-1-2	Grease Zerk



KEY	PART NO.	DESCRIPTION
1	918-0308-2-2-1	Housing
2	918-0308-2-2-2	Hub (Prior to SN SI088720425)
	618-0003-2-1	Hub (SN SI088720426 & Later)
3	918-0308-2-2-3	Spring Pack
4	918-0208-2-3-5	Washer
5	918-0208-2-3-6	Retaining Ring
6	918-0208-2-3-7	Sealing Ring
7	918-0208-2-3-1	Clamp Cone Locking Pin (Prior to SN SI088720425) (1-3/8 6 Spline)
	918-0410-2-1-1	Clamp Cone Locking Pin (SN SI088720426 & Later) (1-3/4 20 Spline)
8	918-0308-2-2-4	Cam
NS	918-0208-2-3-9	Bushing-In Item #2
NS	918-0208-2-3-11	Shim Kit

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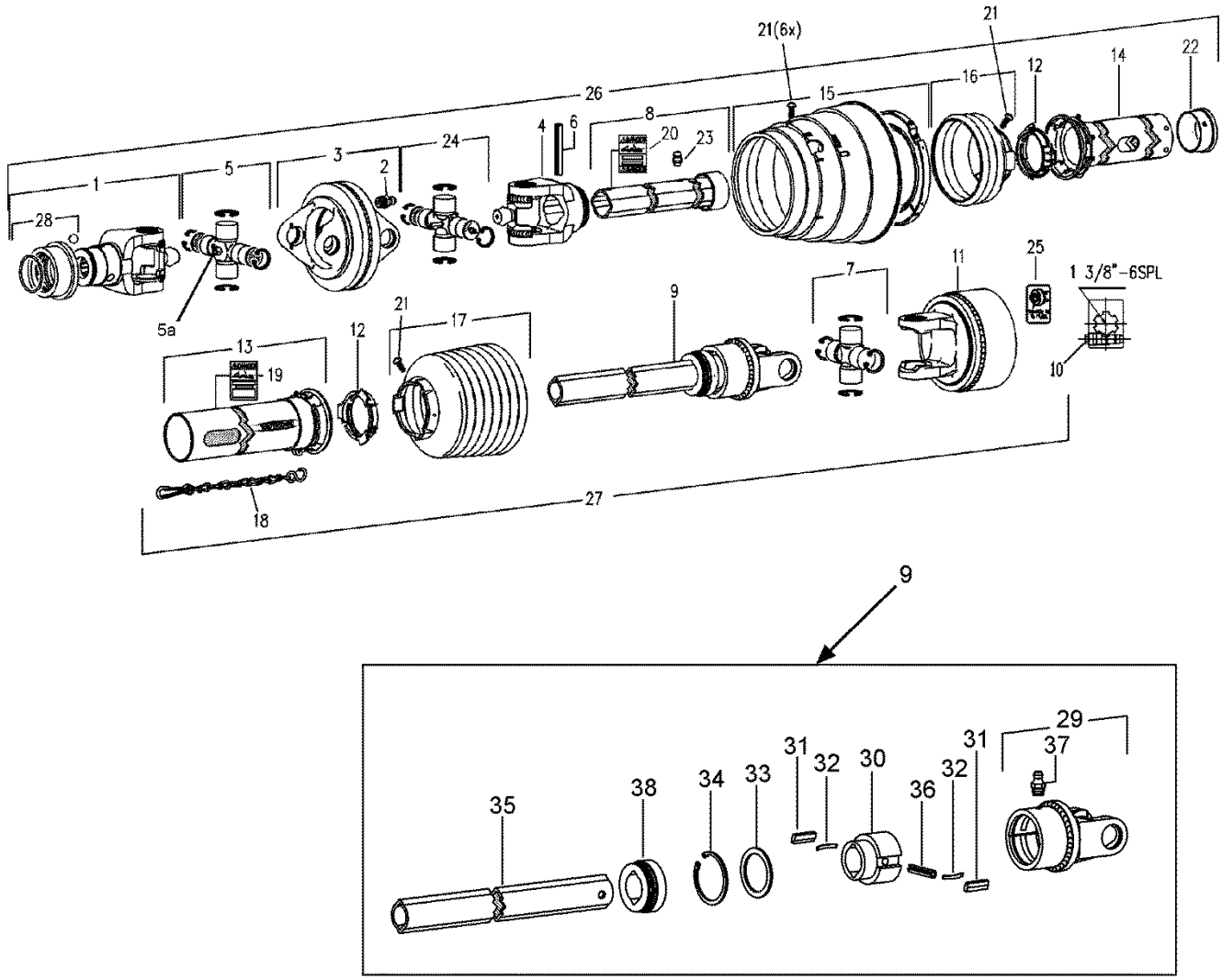
918-0210 PTO DRIVE SHAFT ASSEMBLY

1000 RPM-20 SPLINE / 1-3/4" YOKE WWE2480 (80° C.V.)
(OLD GENERATION CLUTCH/HUB)

USED PRIOR TO SN SI078720287.
FOR LATER MODELS SEE PAGE 34.



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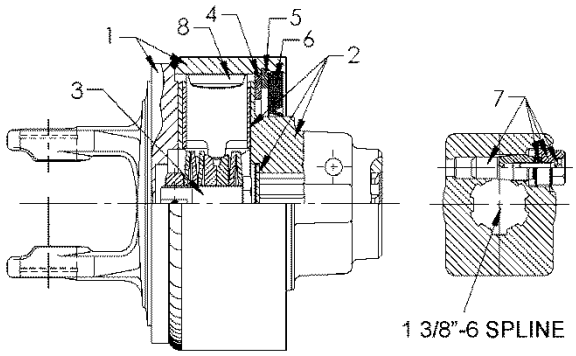
918-0210 PTO DRIVE SHAFT ASSEMBLY

1000 RPM-20 SPLINE / 1-3/4" YOKE WWE2480 (80° C.V.)
(OLD GENERATION CLUTCH/HUB)

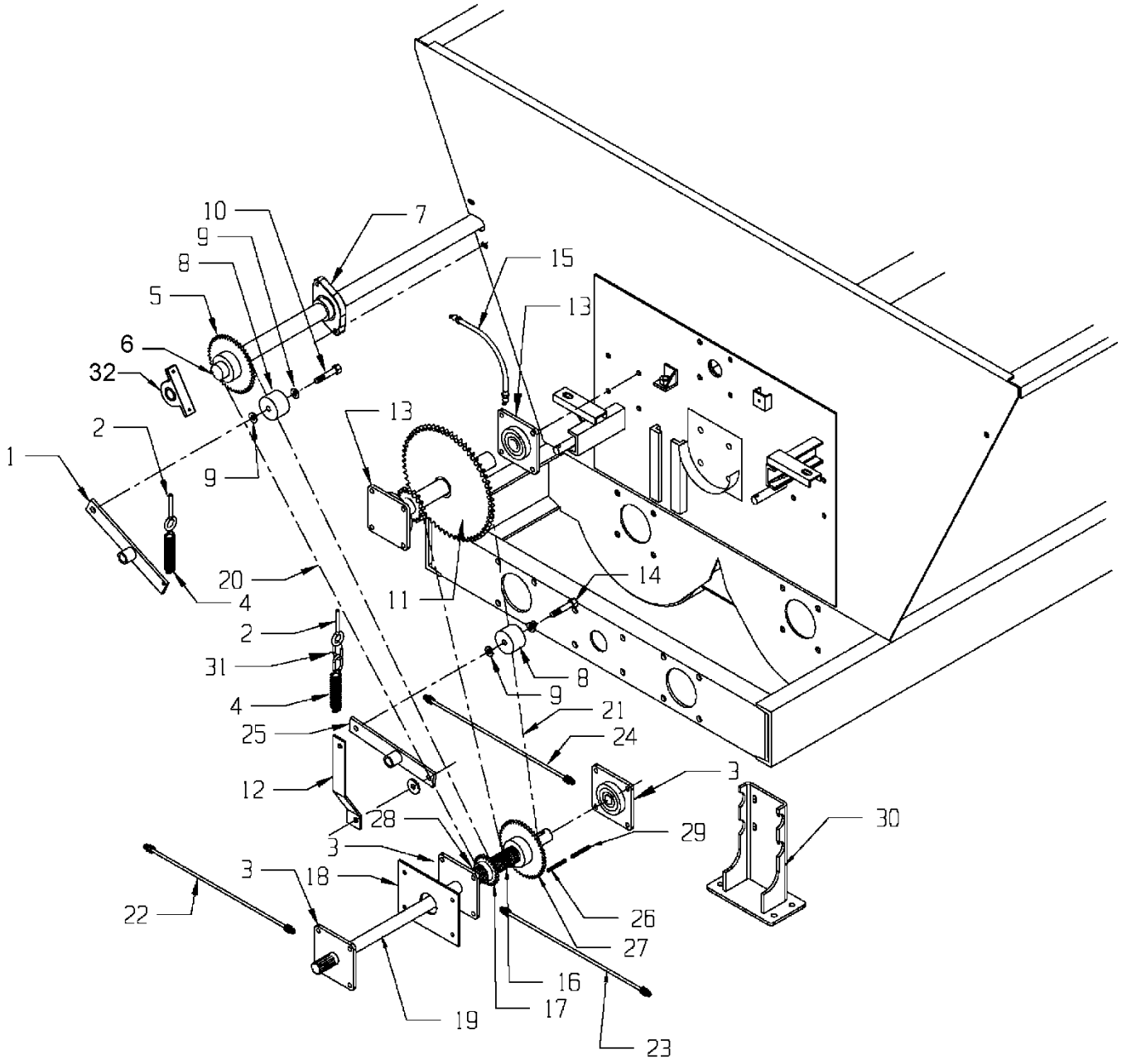
KEY	PART NO.	DESCRIPTION
1	918-0210-1-1	Yoke 1-3/4"-20 Splined Assembly
2	918-0208-1-2	Grease Zerk in item 3
3	918-0208-1-3	Double Yoke
4	918-0208-1-4	Inboard Yoke
5	918-0208-1-5	Cross and Bearing Kit
5a	918-0208-1-5-1	M8x1 67.5* Zerk in Cross & Bearing
6	918-0208-1-6	Spring Pin 10 x 80
7	918-0208-2-1	Cross and Bearing Kit
8	918-0208-1-14	Profile and Sleeve Wa
9	918-0208-2-2	Overrunning Clutch & 1bGA Profile Assy.
9a	918-0208-2-2-1	1bGA Profile Male Tube Only
10	918-0208-2-3-1	Clamping Cone Bolt (Included in Item 11)
11	918-0208-2-3	Cut Out Clutch
12	918-0208-2-4	Bearing Ring SC25
13	918-0208-2-5	Outer Shield Tube OVL
14	918-0208-1-7	Inner shield Tube Round
15	918-0208-1-8	CV Cone & Bearing Assy.
16	918-0208-1-9	Shield Cone 3 Rib
17	918-0208-2-6	Shield Cone 8 Rib
18	918-0208-2-7	Safety Chain
19	918-0208-2-8	Safety Sign Decal Outer - In Item 13

KEY	PART NO.	DESCRIPTION
20	918-0208-1-10	Safety Sign Decal Inner - In Item 8
21	918-0208-2-9	Screw-In Item 15,16 & 17
22	918-0208-1-11	Support Bearing
23	918-0208-1-12	Zerk-In Item 8
24	918-0208-1-13	Cross and Bearing Kit
25	918-0208-2-10	Safety Sign-K64
26	918-0210-1	1-3/4-20 Spline Tractor Half Assembly
27	918-0208-2	1000 RPM Cutout Clutch Implement Half Assembly
28	918-0210-1-1-1	AS-Lock Kit For Item 1 (Inc. Ring, Collar & Balls)
29	918-0208-2-2-2	Clutch Housing
30	918-0208-2-2-3	Hub
31	18-0119-1-1-2	Key
32	18-0119-1-1-1	Leaf Spring
33	918-0308-2-1-3	Supporting Ring
34	18-0119-1-1-6	Retaining Ring
35	918-0208-2-2-1	Profile - 1bGA
36	918-0308-2-1-12	Spring Pin 10mm x 55mm
37	918-0208-1-2	Grease Zerk
38	918-0208-2-2-4	Bearing Ring



KEY	PART NO.	DESCRIPTION
1	918-0208-2-3-2	Housing
2	918-0208-2-3-3	Hub
3	918-0208-2-3-4	Spring Pack
4	918-0208-2-3-5	Washer
5	918-0208-2-3-6	Retaining Ring
6	918-0208-2-3-7	Sealing Ring
7	918-0208-2-3-1	Clamp Cone Assembly
8	918-0208-2-3-8	Cam
NS	918-0208-2-3-9	Bushing - In Item #2
NS	918-0208-2-3-11	Shim Kit

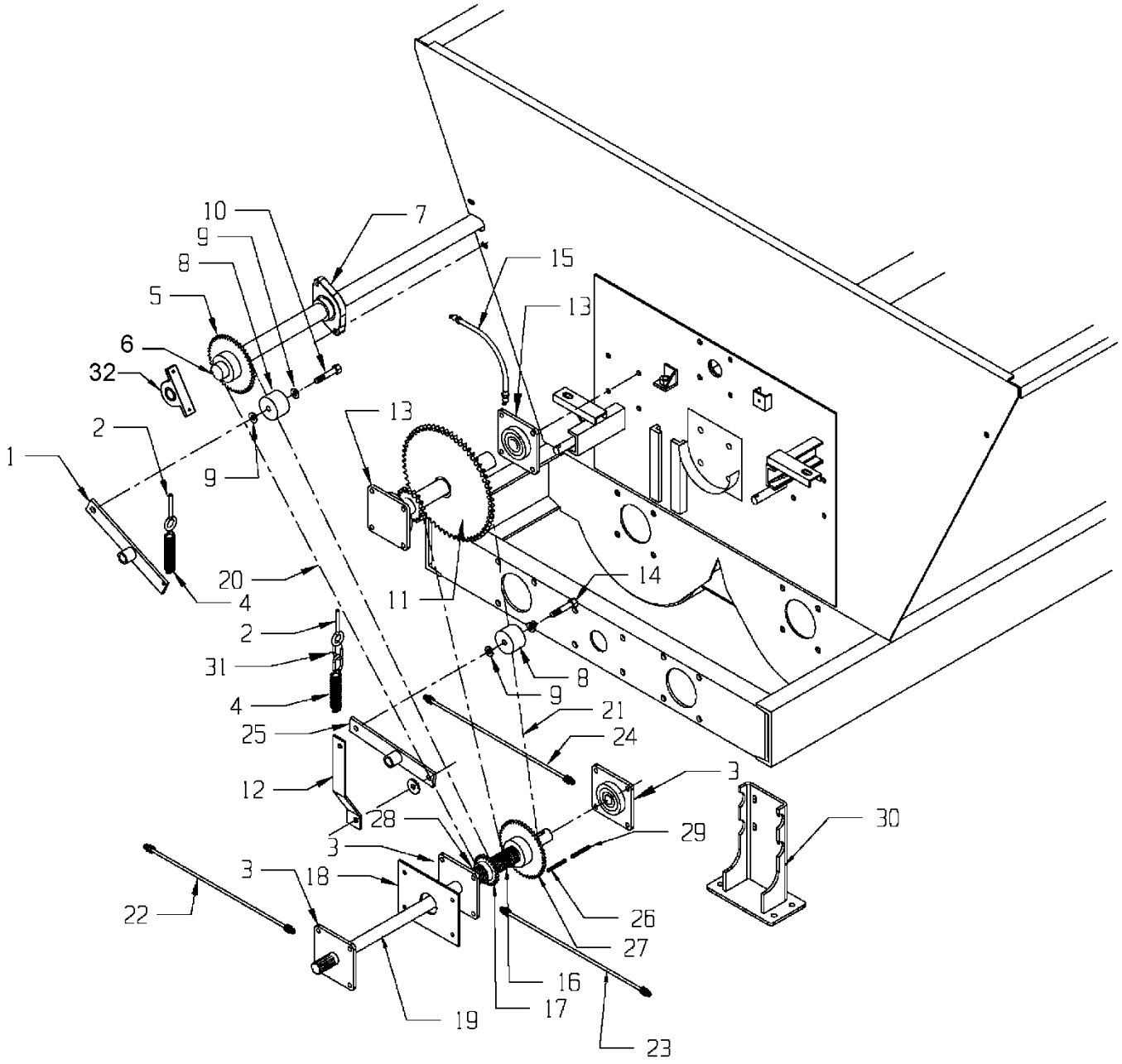
FIRST REDUCTION & SPINNER DRIVE



FIRST REDUCTION & SPINNER DRIVE

KEY	PART NO.	DESCRIPTION
1	925-3720	Tightener Arm Assembly, Spinner Drive
2	933-3804	Eyebolt, 5/16 x 5" / 4" Thread Length
3	914-3602	1-1/2" 4-Bolt Bearing (Prior to SN SI088720425)
	914-3819	1-3/4" 4-Bolt Bearing (SN SI088720426 & Later)
4	929-0003	Extension Spring
5	910-0092	80B15 Sprocket Side Shaft to Spinner Drive (Clamp Style)
6	923-3756	8720 Front Side Shaft 81-3/4" Long
	923-3754	8865 Front Side Shaft 121-3/4" Long
7	914-3814	2-Bolt, 1-1/2" Bearing
8	912-0013	2" Nylon Roller Complete
8A	912-0013-1	2" Nylon Roller Only
8B	912-0013-2	Inner Sleeve
9	808-.75-1.25-14	3/4" I.D. x 1-1/4" O.D. x 14Ga. Machine Bushing
10	851-7510-3Z	3/4-10 x 3" Machine Bolt Zinc
11	910-3755	Reduction Sprocket Weldment (Nonshear)
12	925-3777-1	Tightener Extension Arm
13	14-0031	2" Bearing 4-Bolt
14	925-3779-1	3/4-10 x 3" Machine Bolt-Special
15	933-3640	Grease Line, Rear 1st Reduction 21"
16	808-1.5-2.25-10	12-Machine Bushings (10 - For Split Sprocket) (Prior to SN SI088720425)
	808-1.75-2.5-10	12-Machine Bushings (10 - For Split Sprocket)(SN SI088720426 & Later)
17	910-0089	80B20 1-1/2" Bore Solid Sprocket (Prior to SN SI088720425)
	910-0120	80B20 1-3/4" Bore Solid Sprocket (SN SI088720426 & Later)
18	925-3601	Front Bearing Plate
19	923-3755	PTO Splined Shaft 1-1/2x42-3/4" (Prior to SN SI078720427)
	923-3755-TR	PTO Splined Shaft 1-1/2x22-3/4" (Prior to SN SI078720427)
	923-3755-S	PTO Splined Shaft 1-1/2x34-3/4" (SN SI078720427-SI088720425)
	923-3755-TR-S	PTO Splined Shaft 1-1/2x14-3/4" (SN SI078720427-SI088720425)
	923-3757	PTO Splined Shaft 1-3/4x34-3/4" (SN SI088720426 & Later)
	923-3757-TR	PTO Splined Shaft 1-3/4x14-3/4" (SN SI088720426 and Later)
	SI-87/8865-CSU-NGC	Center Shaft Update from 1-1/2" to 1-3/4"
20	911-0069	#80-119 Roller Chain
21	911-0054	#80-94 Roller Chain 1000 RPM
	911-0068	#80-78 Roller Chain 540 RPM
22	933-3631	Grease Line, Front Center Shaft Bearing
23	933-3646	Grease Line, Center Bearing Center Shaft, Left Side
24	933-3645	Grease Line, Rear Center Shaft Bearing to Right Side
25	925-3779	Tightener Arm Assembly
26	35-0010	Key, 3/8 x 1-1/2"

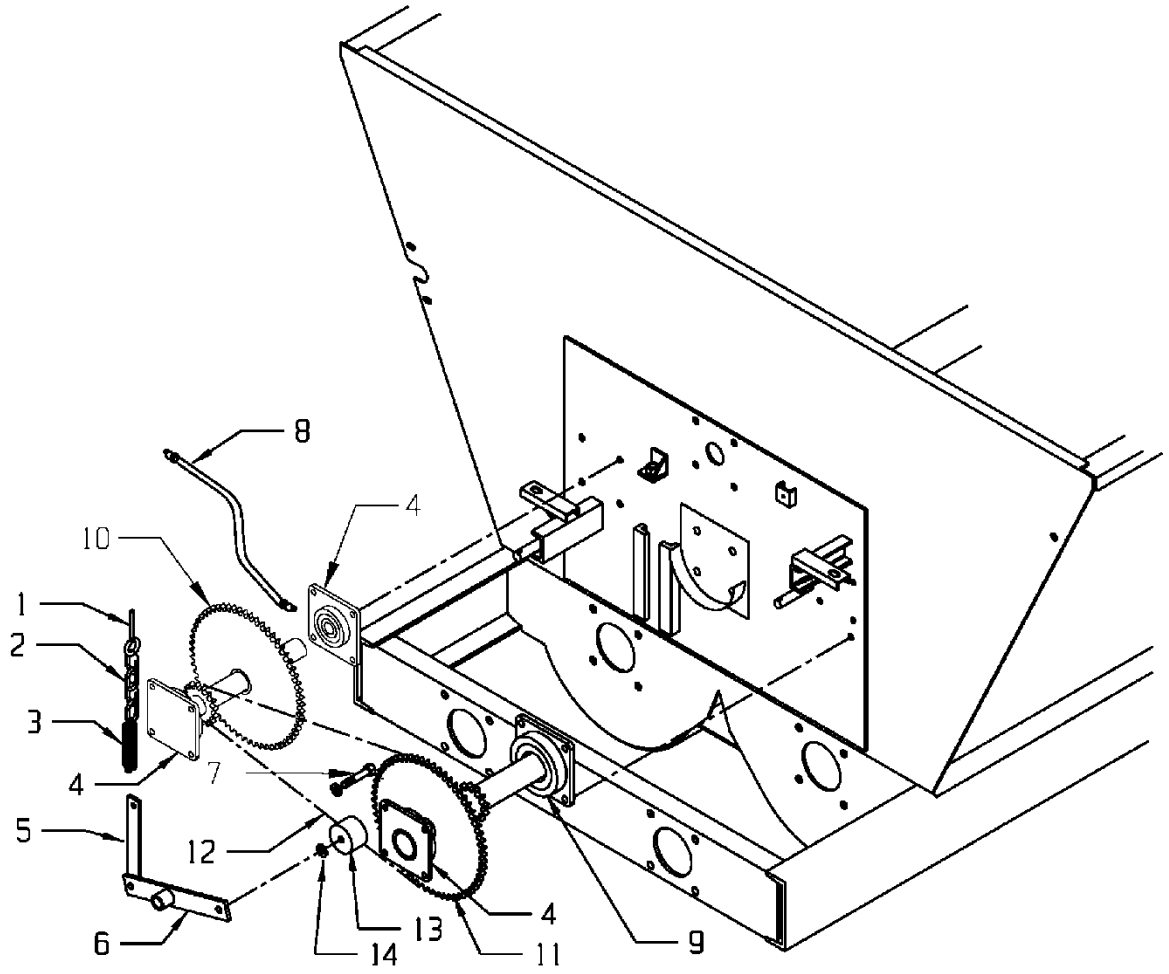
FIRST REDUCTION & SPINNER DRIVE



FIRST REDUCTION & SPINNER DRIVE

KEY	PART NO.	DESCRIPTION
27	910-0074	80B24 Split Sprocket 1-1/2" Bore,11 RPM Standard (Prior to SN SI088720425)
	910-0121	80B24 Split Sprocket 1-3/4" Bore,11 RPM Standard (SN SI088720426 & Later)
	910-0069	80B22 Split Sprocket 1-1/2" Bore,10 RPM (Prior to SN SI088720425)
	910-0122	80B22 Split Sprocket 1-3/4" Bore,10 RPM (SN SI088720426 & Later)
	910-0075	80B18 Split Sprocket 1-1/2" Bore 8.25 RPM (Prior to SN SI088720425)
	910-0123	80B18 Split Sprocket 1-3/4" Bore 8.25 RPM (SN SI088720426 & Later)
	910-0068	80B16 Split Sprocket 1-1/2" Bore 7.30 RPM (Prior to SN SI088720425)
	910-0124	80B16 Split Sprocket 1-3/4" Bore 7.30 RPM (SN SI088720426 & Later)
27A	831-5013-1.5	Split Sprocket 1/2”X1-1/2” Allen Head Grade 8 Bolt
28	808-1.5-2.25-10	9-Machine Bushings (6-For Split Sprocket)(Prior to SN SI088720425)
	808-1.75-2.5-10	Machine Bushings (SN SI088720426 & Later)
	933-3754	1-3/4” I.D. Spacer (SN SI088720426 & Later)
29	935-0001	Key, 3/8 x 2", Hardened
30	901-3751-30	Rear Bearing Vertical Back Plate Welded Assembly (SN SI078720427 & Later) (Bolt On Plate Only)
31	925-3822-6	2-Chain Link For Tightener
32	914-3804	1-1/2” Pillow Block Bearing

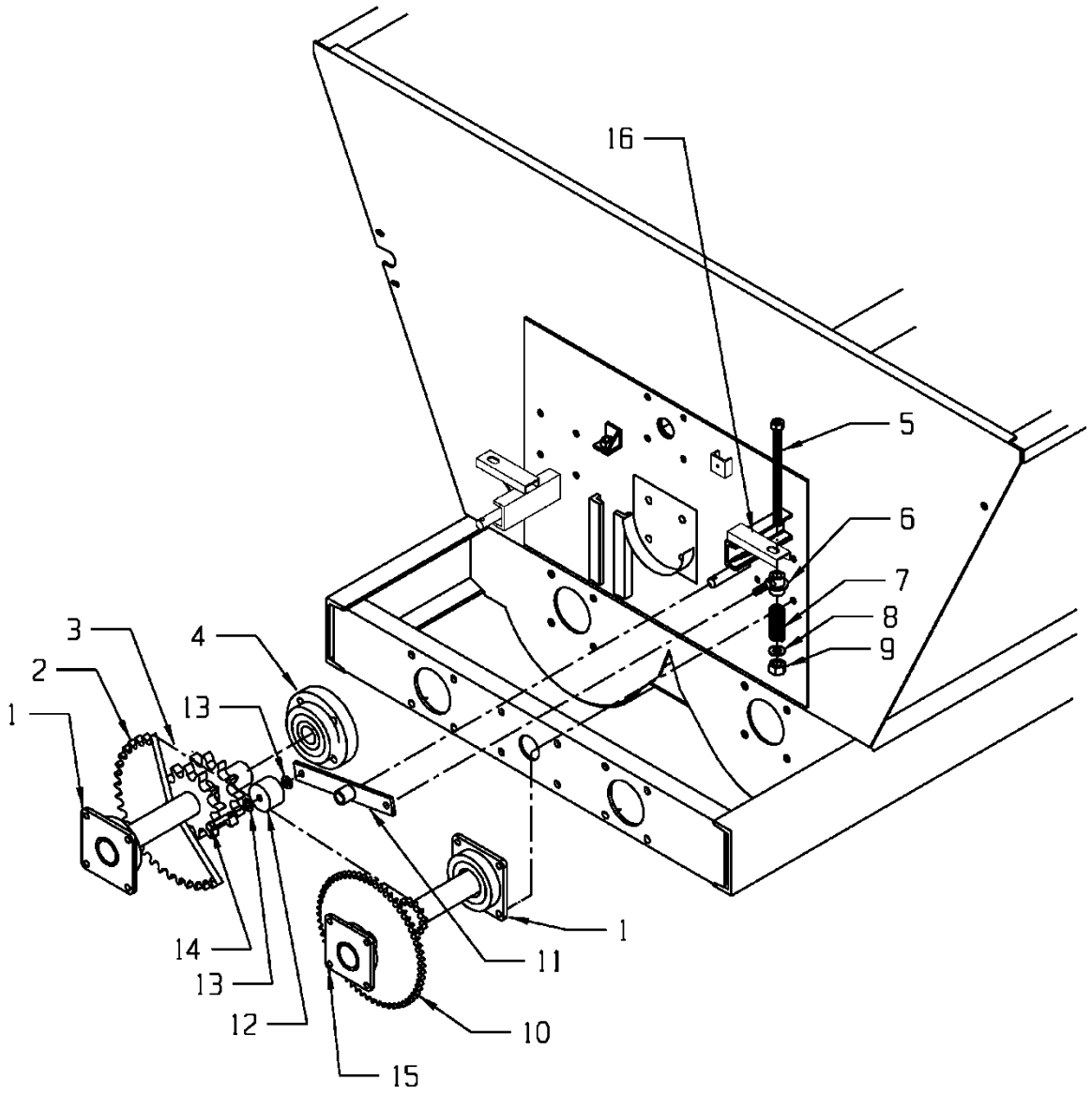
SECOND REDUCTION DRIVE



SECOND REDUCTION DRIVE

KEY	PART NO.	DESCRIPTION	QTY
1	933-3804	Eyebolt, 5/16 x 5" / 4" Thread Length	1
2	925-3822-6	2-Chain Link For Tightener	1
3	929-0003	Extension Spring	1
4	14-0031	2" Bearing 4-Bolt	2
5	925-3777-2	Tightener Extension Arm	1
6	925-3779	Tightener Arm	1
7	851-7510-3Z	3/4-10 x 3" Machine Bolt Zinc	1
8	933-3642	Grease Line, 2nd Reduction Rear Bearing, 60”	1
9	914-3811	2-1/2” Bearing, 4-Bolt	1
10	910-3755	Reduction Sprocket Weldment (Nonshear)	1
11	910-3753-HD	Industrial 2nd Reduction Weldment	1
12	911-0053	#80-102 Roller Chain, 2nd Reduction Chain	1
13	912-0013	2" Nylon Roller Complete	1
13A	912-0013-1	2” Nylon Roller Only	1
13B	912-0013-2	Inner Sleeve	1
14	808-.75-1.25-14	3/4" ID x 1-1/4" OD Machine Bushing 14 Ga.	2

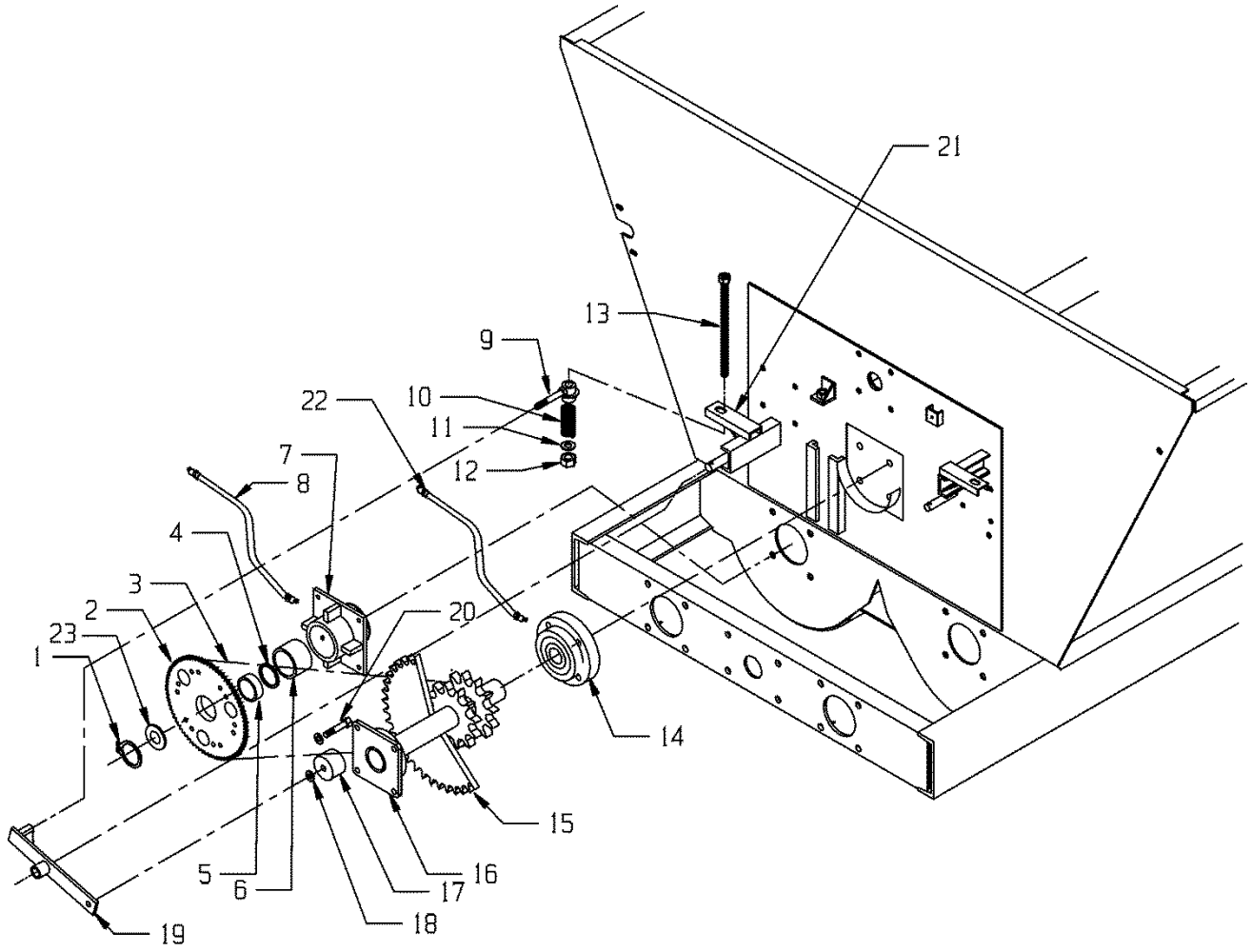
THIRD REDUCTION DRIVE



THIRD REDUCTION DRIVE

KEY	PART NO.	DESCRIPTION	QTY
1	914-3811	2 1/2” 4-Bolt Bearing	2
2	910-3754-HD	Industrial 3rd Reduction Weldment (Prior to SN SI108720/8865347)	1
	910-3758	Industrial 3rd Reduction Weldment 3"Bearing (SN SI108720/8865347 and later)	1
	914-3825	Heavy Duty Bearing Assembly (Optional)	1
3	911-0062	#120-47 Roller Chain, 3rd Reduction Chain	1
4	914-3807A-IND	2-1/2" Round 4-Bolt Bearing (Prior to SN SI108720/8865347)	1
	914-3820A	3" Round 4-Bolt Bearing (SN SI108720/8865347 and later)	1
	914-3826	3” Spherical Roller Bearing (SN	
5	925-3783	Tightener Bolt Assembly	1
6	925-3782	#120 Chain, Tightener Linkage	1
7	29-0009	Tightener Spring	1
8	925-3807-3	Retaining Washer	1
9	815-7510-Z	3/4-10 Nylon Locknut	2
10	910-3753-HD	Industrial 2nd Reduction	1
11	925-3779	Tightener Arm	1
12	912-0013	2" Nylon Roller Complete	1
12A	912-0013-1	2" Nylon Roller Only	1
12B	912-0013-2	Inner Sleeve	1
13	808-.75-1.25-14	3/4" ID x 1-1/4" OD Machine Bushing 14 Ga.	2
14	851-7510-3Z	3/4-10 x 3" Machine Bolt Zinc	1
15	14-0031	2” Bearing, 4-Bolt	1
16	901-3750-49	#120 Tightener Pivot	1

FINAL REDUCTION, RH AUGER DRIVE



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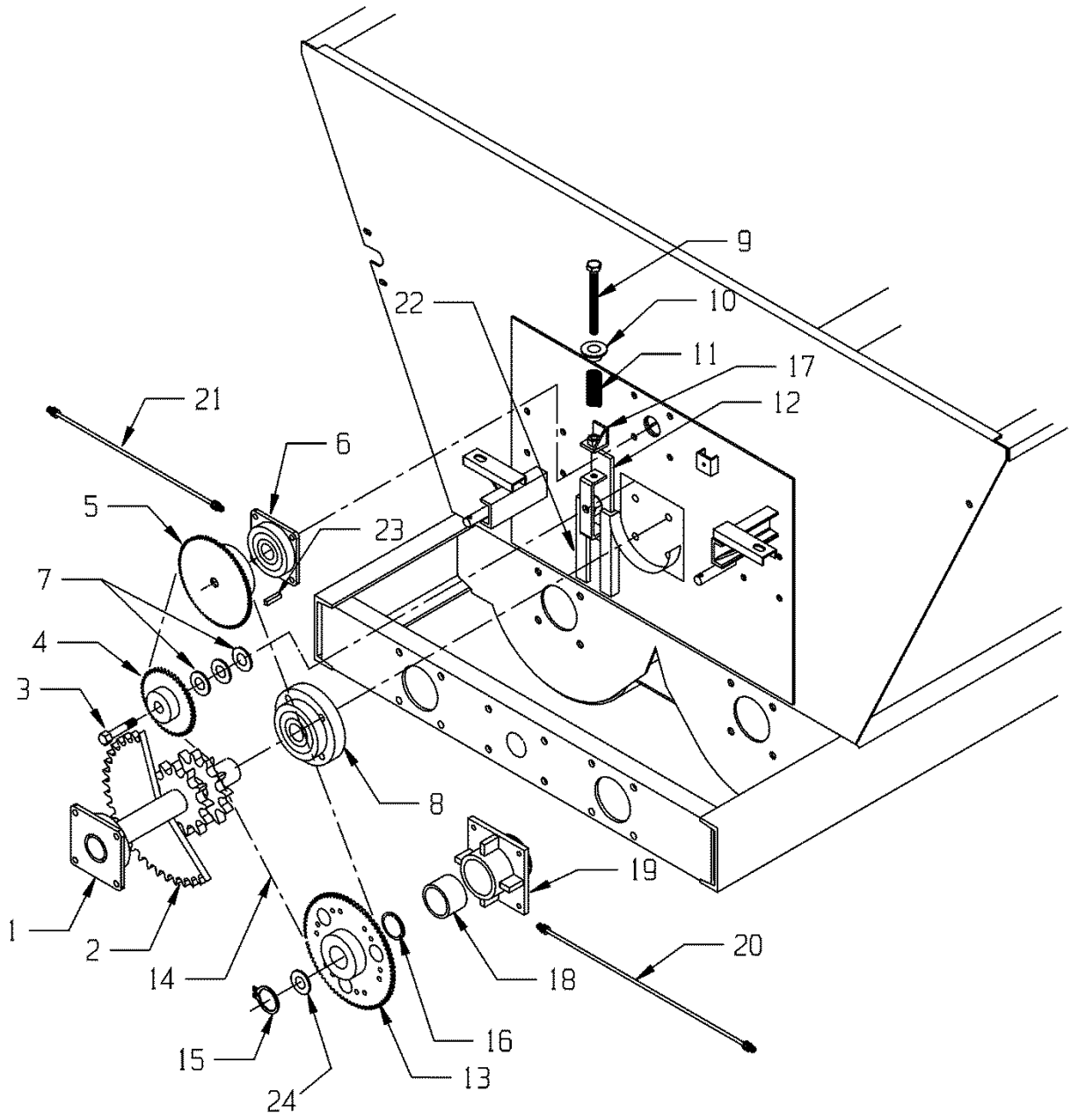
FINAL REDUCTION, RH AUGER DRIVE

KEY	PART NO.	DESCRIPTION	QTY
1	933-3701	3" Retaining Ring	1
2	910-0100	140B35 Shear Sprocket Assembly	1
	910-0100-1	Shear Hub & Plate Welded Assembly Only	1
	910-0100-2	Shear Hub Washer Only	1
2A	831-5618-1.75-SL	9/16-18 x 1-3/4" Allen Head Cap Screw Grade 8 (Prior to SN SI088720/8865287)	AR
	831-6318-1.75	5/8-18 x 1-3/4" Allen Head Cap Screw Grade 8 (SN SI088720/8865287 & Later)	AR
2B	884-5618	9/16-18 Top Locknut Grade 8 (Prior to SN SI088720/8865287)	AR
	884-6318	5/8-18 Top Locknut Grade 8 (SN SI088720/8865287 & Later)	AR
3	911-0065	140-47 Roller Chain	1
4	933-3704	Front Auger Washer Steel	1
5	933-3750	Auger Sprocket Spacer 1-1/2" Long	1
6	913-3701	Nylon Bushing 3" I.D. x 4" O.D. x 3-3/8" Long	1
7	925-3766	Front Bushing Holder Assembly W/Nylon	1
8	933-3626	Grease Line, Right Auger Bushing Holder	1
9	925-3781	Right Auger Chain Tightener Linkage	1
10	29-0009	Tightener Spring	1
11	925-3807-3	Retaining Washer	1
12	815-7510-Z	3/4-10 Nylon Locknut	1
13	925-3783	Tightener Bolt Assembly	1
14	914-3807A-IND	2-1/2" Round 4-Bolt Bearing (Prior to SN SI108720/8865347)	1
	914-3820A	3" Round 4-Bolt Bearing (SN SI108720/8865347 & Later)	1
15	910-3754-HD	Industrial 3rd Reduction Weldment (Prior to SN SI108720/8865347)	1
	910-3758	Industrial 3rd Reduction Weldment 3" Bearing (SN SI108720/8865347 & Later)	1
16	914-3811	2-1/2" Bearing 4-Bolt	1
17	912-0013	2" Nylon Roller Complete	1
17A	912-0013-1	2" Nylon Roller Only	1
17B	912-0013-2	Inner Sleeve	1
18	808-.75-1.25-14	3/4" I.D. x 1-1/4" O.D. Machine Bushing 14 Ga.	2
19	925-3778	Right Auger Tightener Arm Assembly Less Roller	1
20	925-3778-3	3/4-10 x 2-3/4" Machine Bolt Special	1
21	901-3751-11	#120 Tightener Pivot	1
22	933-3641	Grease Line, 2-1/2" Rear Bearing	1
23	933-3711	14GAx3.062 ID x 3.500 OD Machine Bushing	AR

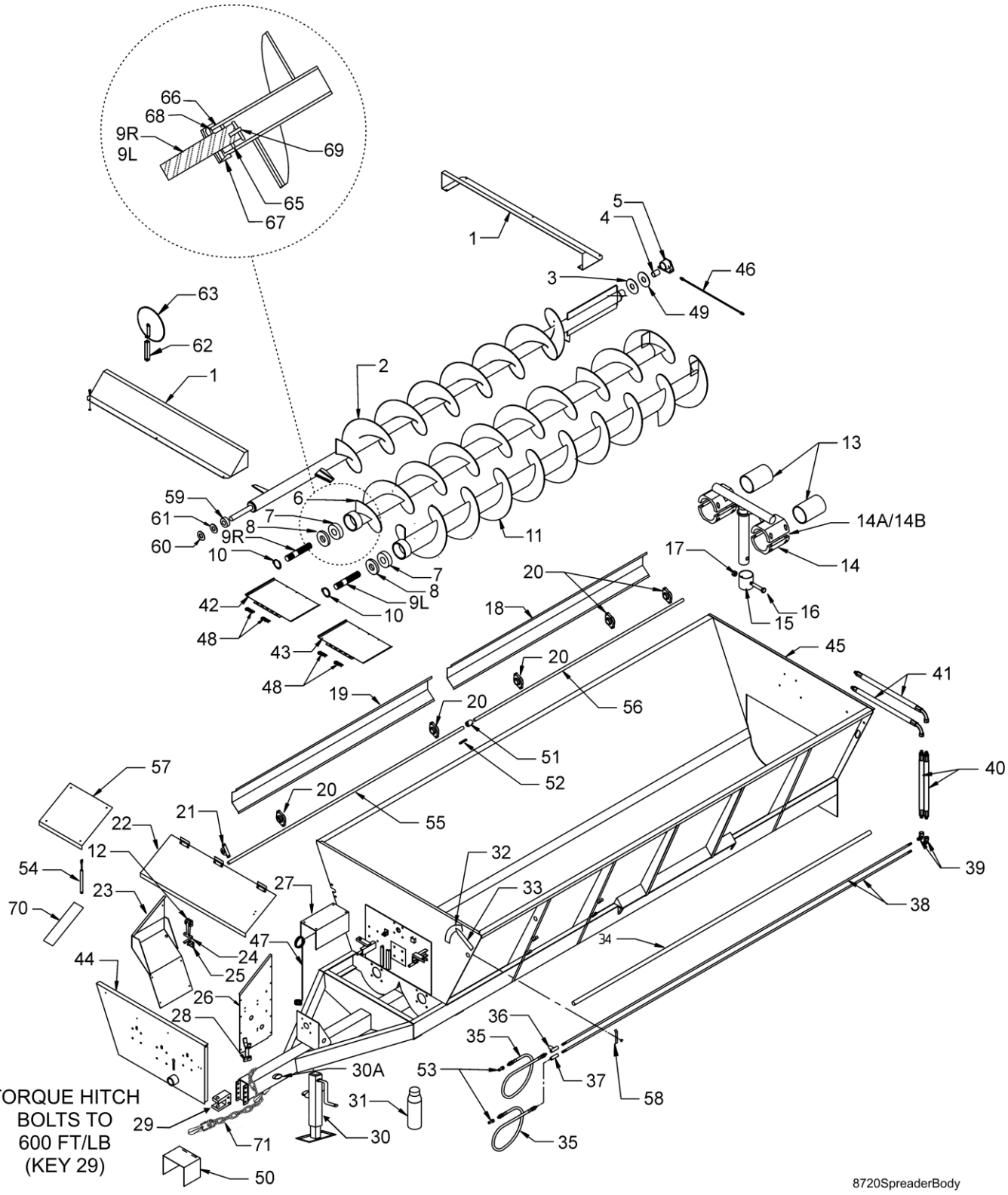
FINAL REDUCTION, LH AUGER & THIRD AUGER DRIVE



FINAL REDUCTION, LH AUGER & THIRD AUGER DRIVE

KEY	PART NO.	DESCRIPTION	QTY
1	914-3811	2-1/2" Bearing 4-Bolt	1
2	910-3754-HD	Industrial 3rd Reduction Weldment (Prior to SN SI108720/8865347)	1
	910-3758	Industrial 3rd Reduction Weldment 3" Bearing (SN SI108720/8865347 & Later)	1
3	925-3719-4	3/4-10 x 3-1/2" Machine Bolt-Special	1
4	912-0008	140C12 Idler Sprocket	1
4A	910-0006-1	Idler Bearing	2
5	910-0087	140B28 2-1/2" Bore Sprocket	1
6	914-3811	2-1/2" Bearing 4-Bolt	1
7	805-0075-Z	3/4" Flat Washer	AR
8	914-3807A-IND	2-1/2" Round 4-Bolt Bearing (Prior to SN SI108720/8865347)	1
	914-3820A	3" Round 4-Bolt Bearing (SN SI108720/8865347 & Later)	1
9	925-3732	Tightener Bolt Welded Assembly	1
10	925-3841	Outer Spring Tightener Guide	1
11	29-0009	Compression Spring	1
12	925-3719	#140 Chain Tightener Bracket Assembly	1
13	910-0100	140B35 Shear Sprocket Assembly	1
	910-0100-1	Shear Hub & Plate Welded Assembly Only	1
	910-0100-2	Shear Hub Washer Only	1
13A	831-5618-1.75-SL	9/16-18 x 1-3/4" Allen Head Cap Screw Grade 8 (Prior to SN SI088720/8865287)(Sawed)	AR
	831-6318-1.75	5/8-18 x 1-3/4" Allen Head Cap Screw Grade 8 (SN SI088720/8865287 & Later)	AR
13B	884-5618	9/16-18 Top Locknut Grade 8 (Prior to SN SI088720/8865287)	AR
	884-6318	5/8-18 Top Locknut Grade 8 (SN SI088720/8865287 & Later)	AR
14	911-0067	#140-80 Roller Chain, Left Auger Chain	1
15	933-3701	3" Retaining Ring	1
16	933-3704	Front Auger Washer Steel	1
17	925-3731	#140 Tightener Angle Welded Assembly	1
18	913-3701	Nylon Bushing 3" ID x 4" OD x 3-3/8" Long	1
19	925-3766	Front Bushing Holder Assembly W/Bushing	1
20	933-3644	Grease Line, Left Auger Bushing Holder	1
21	933-3641	Grease Line, 2-1/2" 3rd Auger Bearing	1
22	901-3701-36	Tightener Slide Welded Assembly	2
23	35-0024	1/2 x 1/2 x 2-1/2" Square Key	1
24	808-3-4.25-14	14GAx3.000 ID x 4.250 OD Machine Bushing	AR

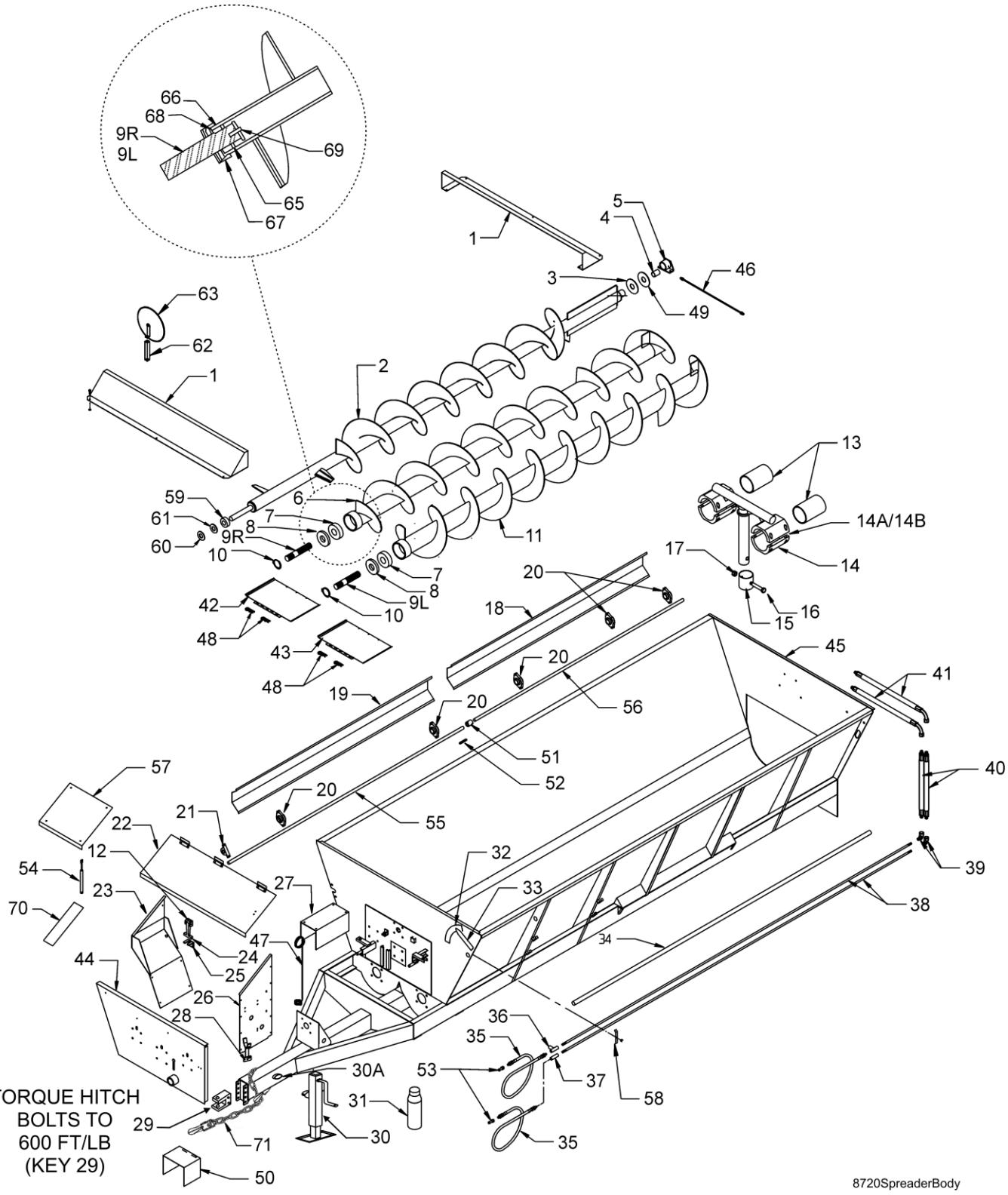
BODY, SHIELDS & AUGERS - 8720 SPREADER



BODY, SHIELDS & AUGERS - 8720 SPREADER

KEY	PART NO.	DESCRIPTION	QTY
1	901-3765	Splash Guard Assembly 45° (Prior to SN SI098865249)	2
	901-3769	Splash Guard Assembly 75° (SN SI098865249 & Later)	2
2	926-3764	3rd Auger Assembly	1
3	933-3703	Bronze Washer	1
4	913-3701	Nylon Bushing	1
5	925-3770	3rd Auger Bushing Holder W/Nylon	1
6	926-3766	Right Auger Assembly	1
	926-3701-2	Front Splined Sleeve	1
	926-3701-2-1	Rear Splined Sleeve W/Cap Washer	1
	926-3750-3	Front Seal Collar	1
	926-3770-2	Flighting Gusset	2
	926-3771-1	3/8" Right Hand Sectional Flighting	AR
	926-3771-2	Right Auger Knife	1
7	914-3812- NSM	Front Auger Thrust Bearing, NSM Nylatron	2
8	914-3813	Front Auger Thrust Bearing Seal	2
9L	926-3701-1	LH Splined Auger Shaft 13.5" 3" Dia. (Use for both LH & RH Prior to SN SI108865347)	1(2)
9R	926-3770-9	RH Splined Auger Shaft 15" 3" Dia. (SN SI108865347 & Later) (See 9L Prior to)	1
10	933-3701	3" Retaining Ring	2
11	926-3765	Left Auger Assembly	
	926-3701-2	Front Splined Sleeve	1
	926-3701-2-1	Rear Splined Sleeve W/Cap Washer	1
	926-3750-3	Front Seal Collar	1
	926-3770-2	Flighting Gusset	2
	926-3770-1	3/8" Left Hand Sectional Flighting	AR
	926-3770-5	Left Auger Knife	1
12	32-0027-1	Upper T-Latch Bracket	1
13	SI-TNUK-KIT	Nylon Bearing (1-Per Auger)	2
14	925-3773	Auger Hold Down Assembly W/Nylon	1
14A	831-5013-1.5	1/2-13x1-1/2" Allen Head Cap Bolt	8
14B	925-3771-10	T-Post Steel Ring Only	2
15	925-3771-4	T-Post Hold Down Bottom Collar	1
16	881-1008-5Z	1-08 x 5" Grade 8 Machine Bolt	1
17	884-1008	1-08 Grade 8 Top Locknut	1
18	924-3755	Rear Side Shield	1
19	924-3766	Front Side Shield	1
20	914-3814	2-Bolt 1-1/2" Bearing	5
21	914-3804	1-1/2" Pillow Block Bearing	1
22	924-3753	Front Cover Assembly	1
23	924-3756	Right Front Shield Assembly	1
24	32-0027-2	Rubber T-Latch	1
25	32-0027-3	Lower T-Latch Bracket	1
26	924-3757	Left Front Support Plate	1
27	924-3758-1	Center Shaft Shield	1
28	925-3775-1	PTO Holder Bracket	1
29	901-3759-2	Clevis Hitch Assembly	1
	901-3755-4	1-14x6-1/2” Gr 8 Machine Bolt	2
	884-1014-Z	1-14 Top Locknut Gr 8	2
30	956-3702-1	Jack	1

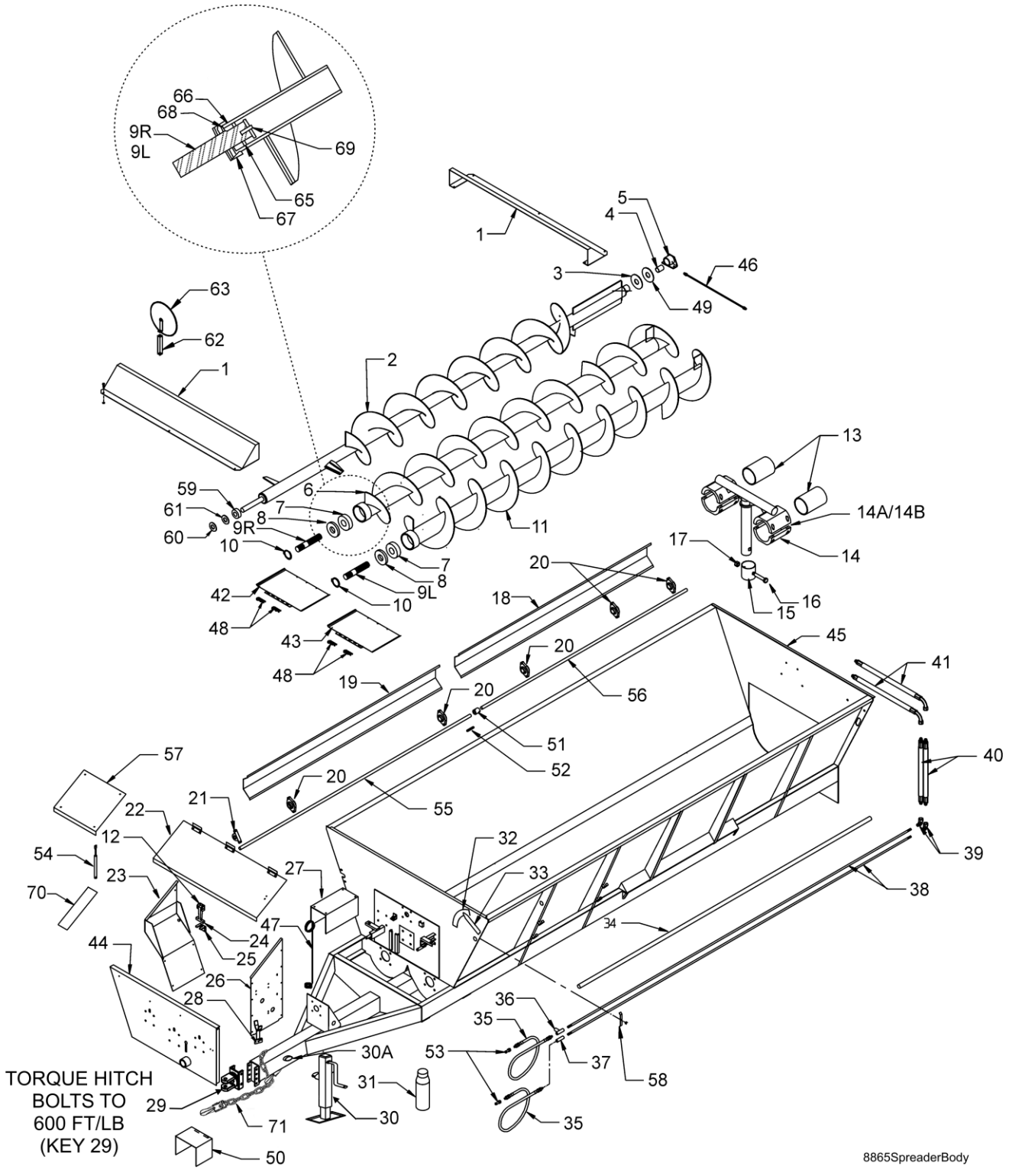
BODY, SHIELDS & AUGERS - 8720 SPREADER



BODY, SHIELDS & AUGERS - 8720 SPREADER

KEY	PART NO.	DESCRIPTION	QTY
30A	956-3702-2	Jack Mount Tube	1
30B	956-3702-1-1	Pin & Chain Assembly	1
30C	956-3702-1-3	Screw Nut/Bearing Washer Kit	1
30D	956-3702-1-2	Gear Bushing Pin Repair Kit	1
31	33-0044	Manual Holder W/Cap	1
32	46-7000-1	Gate Indicator Safety Sign	1
33	925-3762	Gate Indicator Assembly	1
34	925-8720-1	Indicator Pipe 3/8” SCH 40 x 201-1/4”	1
35	955-3701	3/8 x 132” Hydraulic Hose	2
36	955-3803	3/8" Black Pipe Tee	1
37	955-3609	3/8" Black Coupler	1
38	955-3760	3/8 x 198" Hydraulic Pipe	2
39	955-3605	3/8 x 90° Black Elbow	2
40	955-3756	3/8 x 24" Hydraulic Pipe	2
41	955-3825	3/8 x 56" Hydraulic Hose	2
42	924-3762	R. Lower Auger Sprocket Shield Assembly	1
43	924-3763	L. Lower Auger Sprocket Shield Assembly	1
44	925-3750	Front Outer Plate Assembly (Pull Type Prior to SN SI148720233)	1
	925-3750-TR	Front Outer Plate Assembly(Truck Mount & Pull Type SN SI148720233 & Later)	1
45	901-8720	Main Body	1
46	933-3632	Grease Line 3rd Auger Rear Bearing 36"	1
47	929-3801	Hydraulic Hose Holder Spring	1
48	823-.25-5Z	1/4 x 5” Hair Pin	4
49	933-3704	Steel Washer	1
50	931-3810	PTO Guard Assembly.	1
51	937-0004	1-1/2" Shaft Coupler	1
52	35-0022	3/8 x 3/8 x 4-1/2" Key	1
53	55-0013	Male Pioneer Tip	2
54	955-3703	Gas Lift Assist Spring	1
55	923-3756	Front Side Shaft 1-1/2” SP x 81-3/4”	1
56	923-3704	Rear Side Shaft 1-1/2” SP x 142”	1
57	924-3752	Right Hand Front Cover	1
58	933-3602	Hydraulic Pipe Bracket	5
59	933-3753	Shaft Collar 2-1/2"	1
60	933-3801	Bronze Washer 2-1/2"	1
61	933-3802	Steel Washer 2-5/8"	1
62	925-3774	Mirror Bracket	1
63	56-0029	Mirror	1
65	926-3701-2-1	Rear Splined Sleeve w/Welded Washer Slug	1
66	926-3701-2	Front Splined Sleeve	1
67	926-3750-3	Front Auger Seal Collar	1
68	933-3704	Front Auger Washer	1
69	881-5013-1.5Z	1/2-13x1-1/2" Gr. 8 (Prior to SN SI088865560)	1
	881-7510-1.5	3/4-10x1-1/2" Gr. 8 (SN SI088865560 & Later)	1
70	925-3776-1	Front Cover Support Angle (Welded On)	1
71	52-0052	SI8720T/SI8865T Safety Chain 60,000# Capacity	1

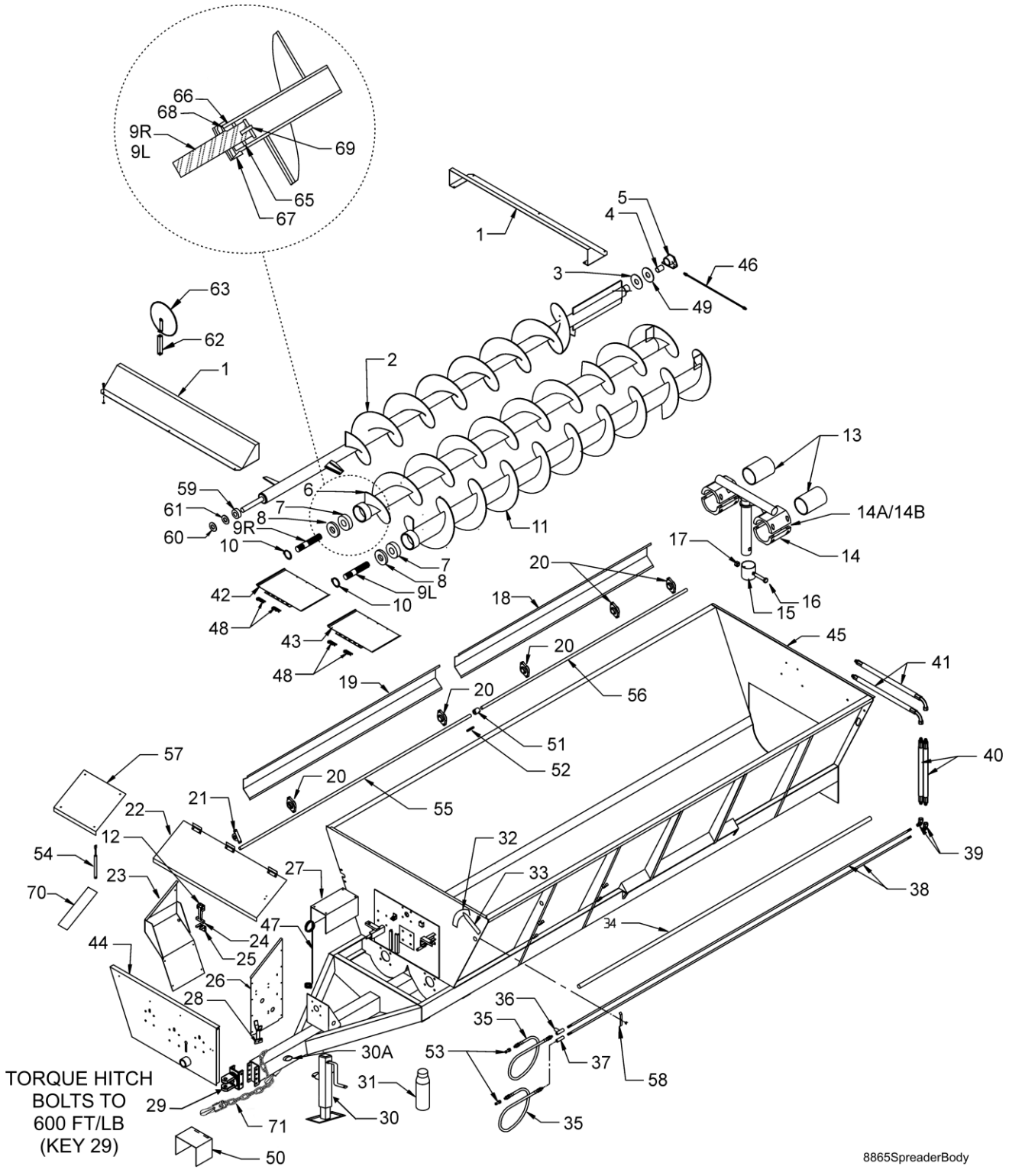
BODY, SHIELDS & AUGERS - 8865 SPREADER



BODY, SHIELDS & AUGERS - 8865 SPREADER

KEY	PART NO.	DESCRIPTION	QTY
1	901-3765	Splash Guard Assembly. 45° (Prior to SN SI098865249)	2
	901-3769	Splash Guard Assembly. 75° (SN SI098865249 & Later)	2
2	926-3760	3rd Auger Assembly	1
3	933-3703	Bronze Washer	1
4	913-3701	Nylon Bushing	1
5	925-3770	3rd Auger Bushing Holder W/Nylon	1
6	926-3772	Right Auger Assembly	1
	926-3701-2	Front Splined Sleeve	1
	926-3701-2-1	Rear Splined Sleeve W/Cap Washer	1
	926-3750-3	Front Seal Collar	1
	926-3770-2	Flighting Gusset	2
	926-3771-1	3/8" Right Hand Sectional Flighting	AR
	926-3771-2	Right Auger Knife	1
7	914-3812- NSM	Front Auger Thrust Bearing	2
8	914-3813	Front Auger Thrust Bearing Seal	2
9L	926-3701-1	LH Splined Auger Shaft 13.5" 3" Dia. (Use for both LH & RH Prior to SN SI108865347)	1(2)
9R	926-3770-9	RH Splined Auger Shaft 15" 3" Dia. (SN SI108865347 & Later) (See 9L Prior to)	1
10	933-3701	3" Retaining Ring	2
11	926-3773	Left Auger Assembly	
	926-3701-2	Front Splined Sleeve	1
	926-3701-2-1	Rear Splined Sleeve W/Cap Washer	1
	926-3750-3	Front Seal Collar	1
	926-3770-2	Flighting Gusset	2
	926-3770-1	3/8" Left Hand Sectional Flighting	AR
	926-3770-5	Left Auger Knife	1
12	32-0027-1	Upper T-Latch Bracket	1
13	SI-TNUK-KIT	Nylon Bearing (1-Per Auger)	2
14	925-3773	Auger Hold Down Assembly W/Nylon	1
14A	831-5013-1.5	1/2-13x1-1/2" Allen Head Cap Bolt	8
14B	925-3771-10	T-Post Steel Ring Only	2
15	925-3771-4	T-Post Hold Down Bottom Collar	1
16	881-1008-5Z	1-08 x 5" Grade 8 Machine Bolt	1
17	884-1008	1-08 Grade 8 Top Locknut	1
18	924-3755	Rear Side Shield	1
19	924-3754	Front Side Shield	1
20	914-3814	2-Bolt 1-1/2" Bearing	5
21	914-3804	1-1/2" Pillow Block Bearing	1
22	924-3753	Front Cover Assembly	1
23	924-3756	Right Front Shield Assembly	1
24	32-0027-2	Rubber T-Latch	1
25	32-0027-3	Lower T-Latch Bracket	1
26	924-3757	8865 Left Front Support Plate	1
27	924-3758-1	Center Shaft Shield	1
28	925-3775-1	PTO Holder Bracket	1
29	901-3757	Bolt On Swivel Hitch Assembly (Prior to 2012 Model Year)	1
	881-1014-2.5Z	1-14x2-1/2" Grade 8 Machine Bolt (Prior to 2012 Model Year)	4
	901-3759-2	Clevis Hitch Assembly (2012 Model Year & Later)	1
	901-3755-4	1-14x6-1/2” Gr. 8 Machine Bolt (2012 Model Year & Later)	2
	884-1014-Z	1-14 Top Locknut Grade 8	4/2

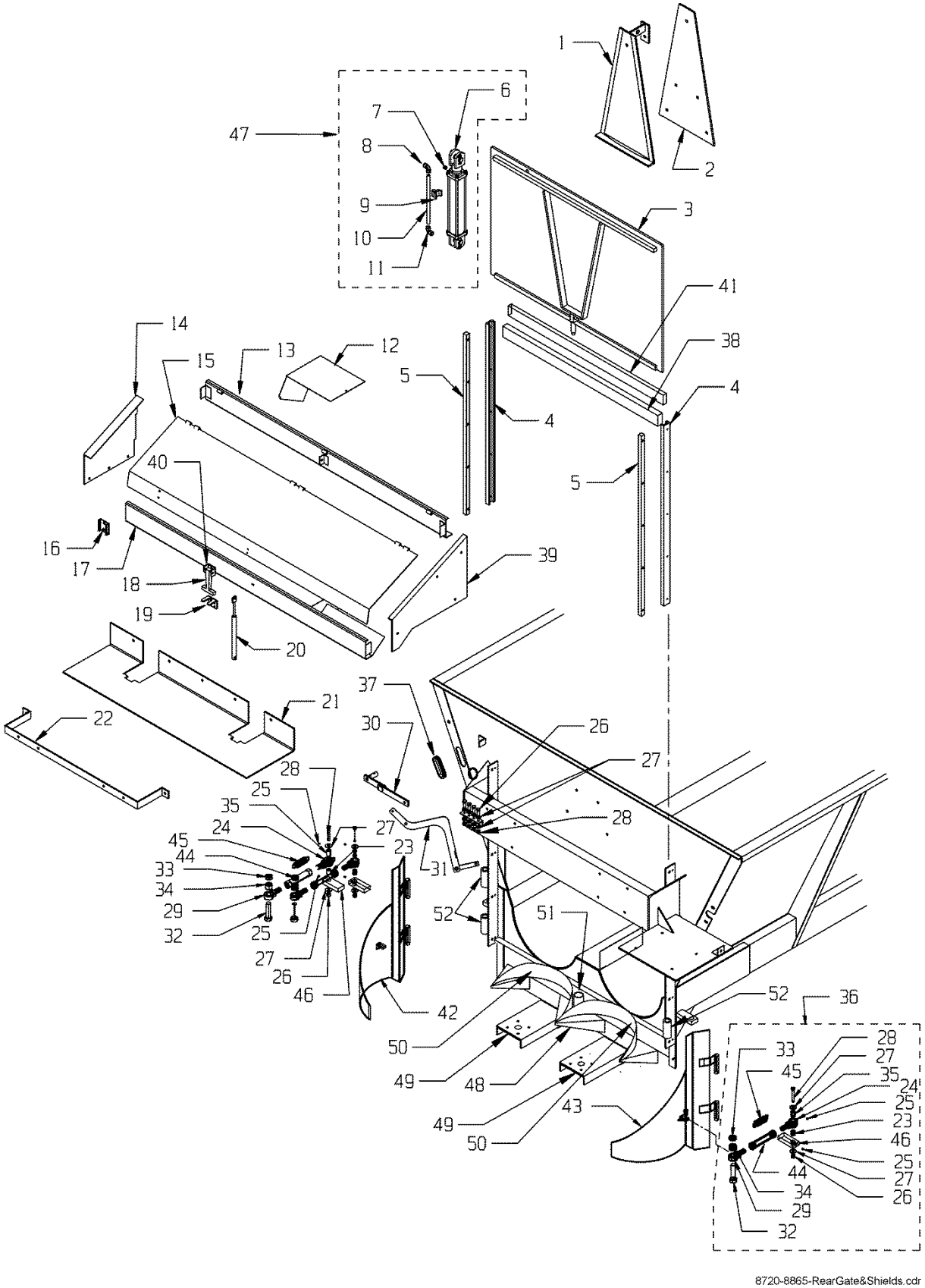
BODY, SHIELDS & AUGERS - 8865 SPREADER



BODY, SHIELDS & AUGERS - 8865 SPREADER

KEY	PART NO.	DESCRIPTION	QTY
30	956-3702-1	Jack	1
30A	956-3702-2	Jack Mount Tube	1
30B	956-3702-1-1	Pin & Chain Assembly	1
30C	956-3702-1-3	Screw Nut/Bearing Washer Kit	1
30D	956-3702-1-2	Gear Bushing Pin Repair Kit	1
31	33-0044	Manual Holder W/Cap	1
32	46-7000-1	Gate Indicator Safety Sign	1
33	925-3762	Gate Indicator Assembly	1
34	925-3765	Indicator Pipe 3/8” SCH 40 x 241-1/4”	1
35	955-3701	3/8 x 132" Hydraulic Hose	2
36	955-3803	3/8" Black Pipe Tee	1
37	955-3609	3/8" Black Coupler	1
38	955-3755	3/8 x 238" Hydraulic Pipe	2
39	955-3605	3/8 x 90* Black Elbow	2
40	955-3756	3/8 x 24" Hydraulic Pipe	2
41	955-3825	3/8 x 56" Hydraulic Hose	2
42	924-3762	R. Lower Auger Sprocket Shield Assembly	1
43	924-3763	L. Lower Auger Sprocket Shield Assembly	1
44	925-3750	Front Outer Plate Assembly	1
	925-3750-TR	Front Outer Plate Assembly Truck Mount	1
45	901-3751	Main Body	1
46	933-3647	Grease Line 3rd Auger Rear Bearing	1
47	929-3801	Hydraulic Hose Holder Spring	1
48	823-.25-5Z	1/4x5” Hair Pin	4
49	933-3704	Steel Washer	1
50	931-3810	PTO Guard Assembly	1
51	937-0004	1-1/2" Shaft Coupler	1
52	35-0022	3/8 x 3/8 x 4-1/2" Key	1
53	55-0013	Male Pioneer Tip	2
54	955-3703	Gas Lift Assist Spring	1
55	923-3754	Front Side Shaft 1-1/2” SP x 121-3/4”	1
56	923-3704	Rear Side Shaft 1-1/2” SP x 142”	1
57	924-3752	Right Hand Front Cover	1
58	933-3602	Hydraulic Pipe Bracket	5
59	933-3753	Shaft Collar 2-1/2"	1
60	933-3801	Bronze Washer 2-1/2"	1
61	933-3802	Steel Washer 2-5/8"	1
62	925-3774	Mirror Bracket	1
63	56-0029	Mirror	1
65	926-3701-2-1	Rear Splined Sleeve w/Welded Washer Slug	1
66	926-3701-2	Front Splined Sleeve	1
67	926-3750-3	Front Auger Seal Collar	1
68	933-3704	Front Auger Washer	1
69	881-5013-1.5Z	1/2-13x1-1/2" Gr. 8 (Prior to SN SI088865560)	1
	881-7510-1.5	3/4-10x1-1/2" Gr. 8 (SN SI088865560 & Later)	1
70	925-3776-1	Front Cover Support Angle (Welded On)	1
71	52-0052	SI8720T/SI8865T Safety Chain 60,000# Capacity	1

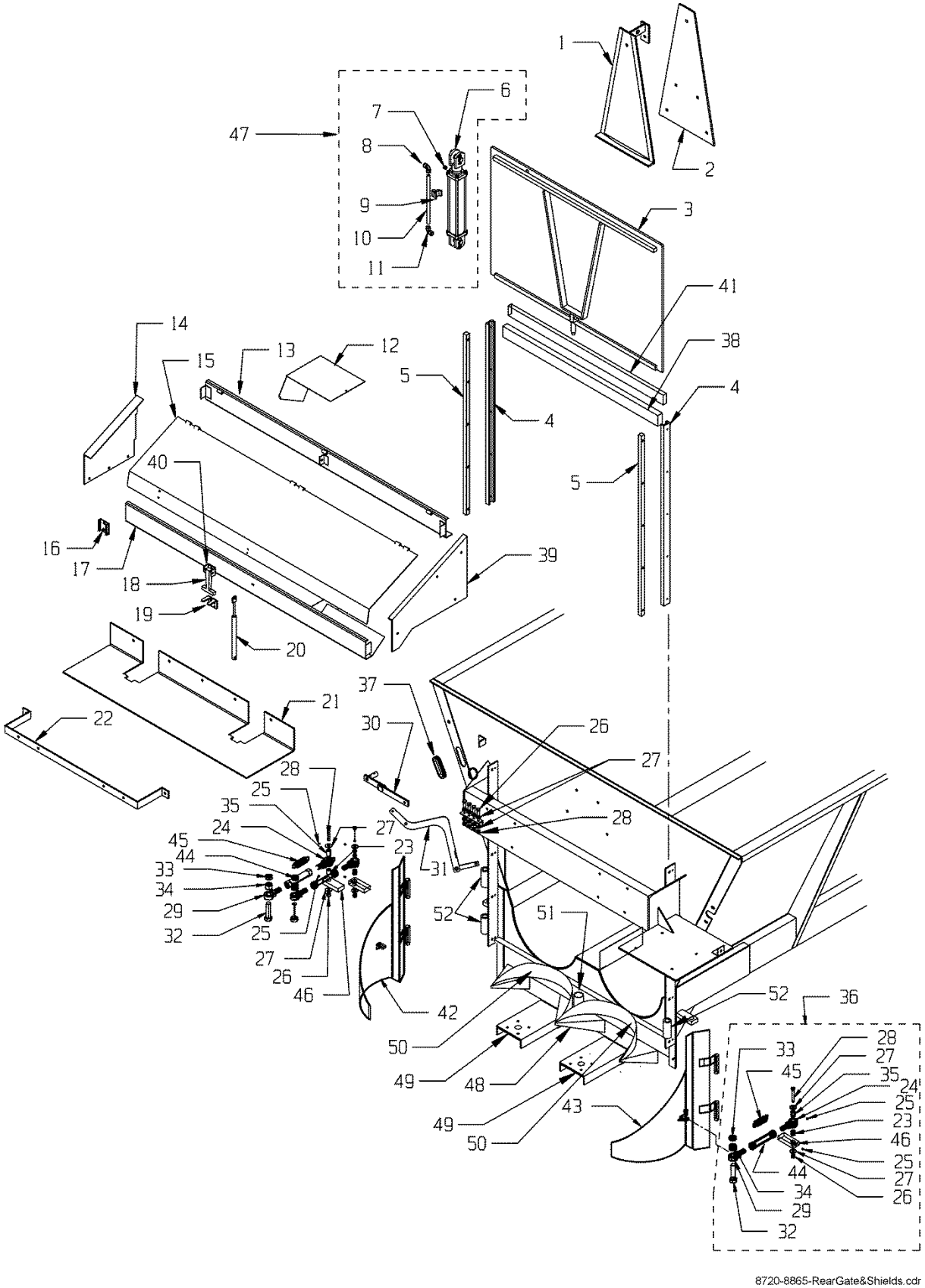
REAR GATE & SHIELDS



REAR GATE & SHIELDS

KEY	PART NO.	DESCRIPTION	QTY
1	925-3759	Back Cylinder Plate Weldment	1
2	925-3758-1	Front Cylinder Plate	1
3	901-3778	Rear Gate Assembly With Reinforce Bar & Peg	1
3A	901-3766-4	Gate Pin & Tab Weldment	1
4	949-3750	Poly Gate Slides	2
5	901-3764-1	Rear Gate Guide	2
6	955-0011	Hydraulic Cylinder Center Lift	1
6A	955-0011-1	Hydraulic Cylinder Seal Kit	AR
7	955-3802-2	1/2 x 3/8" Steel Hex Bushing	1
8	955-3605	3/8 x 90° Elbow	1
9	925-3754	Hydraulic Pipe Holder Weldment	1
10	955-3753	3/8 x 32" Hydraulic Pipe	1
11	55-0092	Street Elbow 1/2" M x 3/8" Female	1
12	924-3761	Right Rear Upper Shield	1
13	924-3750-2	Rear Shield Upper Mount Plate Assembly	1
14	924-3751	Rear Shield Left Cap	1
15	924-3750	Rear Main Cover Assembly	1
16	33-1002	Slow Moving Vehicle Bracket	1
17	924-3760	Rear Shield Lower Mount Plate Assembly	1
18	32-0027-2	Rubber T-Latch	1
19	32-0027-3	Lower T-Latch Bracket	1
20	955-3703	Gas Lift Assist Spring	1
21	925-3760-1	Gearbox Rear Plate	1
22	925-3761-1	Gearbox Mount Strap	1
23	925-13804-1	1" Shear Sleeve	2
24	925-13902	RH Tie Rod Eye Welded Assembly W/Jam Nut	2
25	827-2528-.38	Set Screw, 1/4-28 x 3/8”	4
26	815-5013-Z	Nylon Locknut, 1/2-13	6
27	805-0050-Z	Flat Washer, 1/2	12
28	851-5013-3.5Z	Machine Bolt, 1/2 x 3-1/2” Grade 5	6
29	75-0304	LH Tie Rod Eye W/Jam Nut	2
30	925-3767	Indicator Linkage Assembly	1
31	925-3763-HD	Gate Indicator Linkage	1
32	75-0413-1A	Machine Bolt, Gr 5, 1-14 x 4”	2
33	75-0305-2	Jam Nut, 1-14, RH	2
34	884-1014-Z	Top Locknut, 1-14	2
35	925-13903	1-3/8" Shear Sleeve	2
36	925-13803-KIT	Linkage Arm Kit	AR
37	33-1009	Plastic Trim (By the Foot)	AR
38	949-3751	Top Poly Gate Seal	1
39	924-3759	Rear Shield Right Cap	1
40	32-0027-1	Upper T Latch Bracket	1
41	949-3752	Poly Gate Seal Spacer	1
42	925-13802	L. Cupped Material Guide	1
43	925-13801	R. Cupped Material Guide	1
44	925-13803	Material Guide Linkage Arm	2
45	929-0003	Extension Spring	2
46	925-3768-1-3-DT	Frame Pivot Block	2

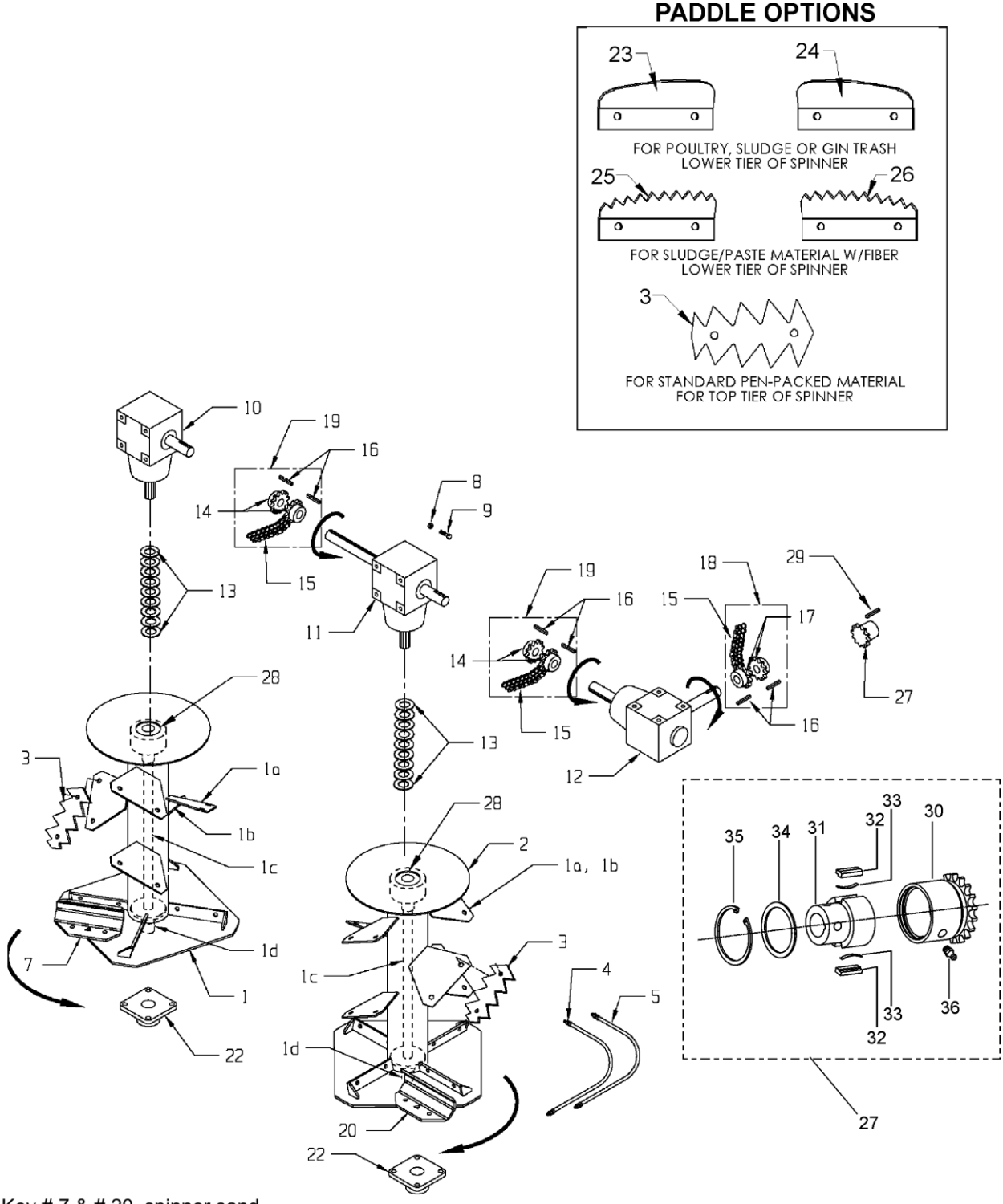
REAR GATE & SHIELDS



REAR GATE & SHIELDS

KEY	PART NO.	DESCRIPTION	QTY
47	955-0011-ASSY	Cylinder w/Bracket & Pipe	1
48	901-3751-40	Rear Spinner Deflector Weld on Replacement (Prior to SN SI098865247) (w/Pin Sleeve)	1
49	901-3750-74	Spinner Channels (Welded to body)	2
50	925-13805	Rear Spinner Deflector Bolt on Replacement (SN SI098865247 & Later)	2
	SI-8865-DEFL-UP	Replaceable Deflector Update Kit	AR
51	925-13809	Gate Pin Receiver Sleeve	1
52	901-3750-19	Material Guide Sleeve	4

SPINNERS & GEARBOXES



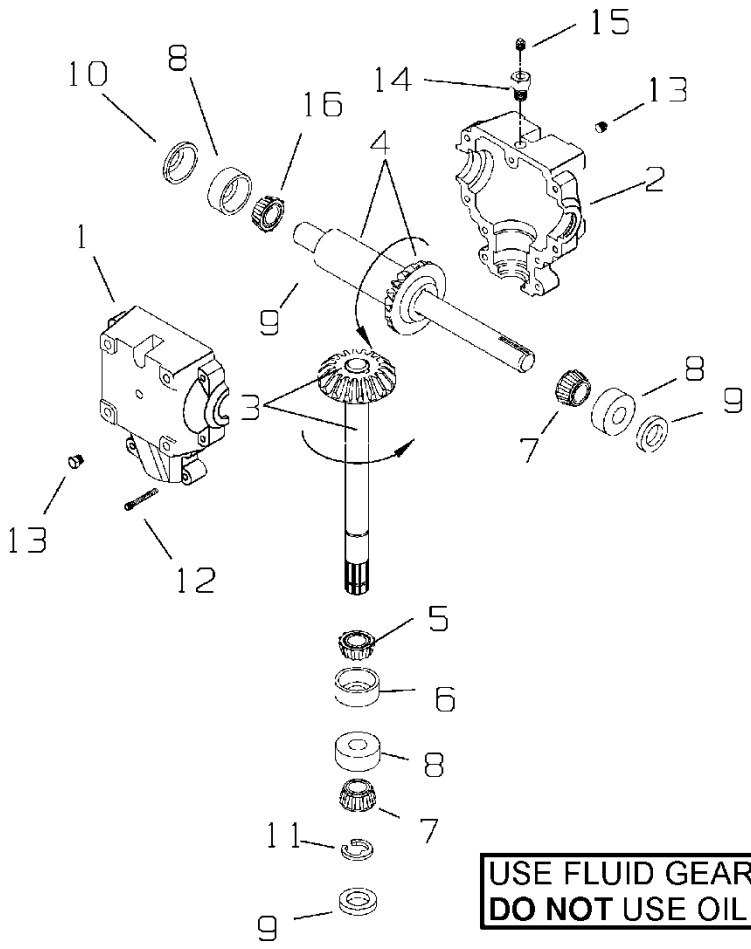
Key # 7 & # 20, spinner sand paddles are interchangeable on SN SI108865345 & later.

8720-8865-Spinners&Gearboxes.cdr

SPINNERS & GEARBOXES

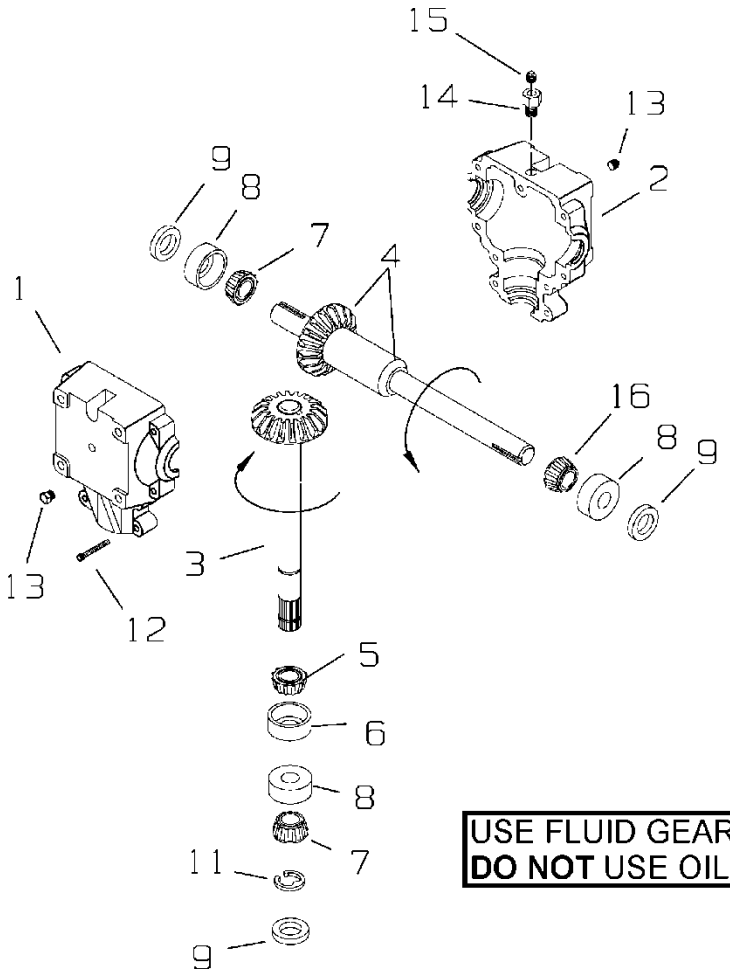
KEY	PART NO.	DESCRIPTION	QTY
1	901-13802	Left Spinner Assembly	1
1a	901-3753-3	Spinner Paddle Mount Bracket	12
1b	901-3753-9	Paddle Mount Bracket Gusset	12
1c	901-3753-5	Spinner Shaft 1-1/2x36-7/8"	2
1d	901-3753-6	Lower Shaft Bearing Sleeve	2
2	901-13801	Right Spinner Assembly	1
3	901-3753-10	Paddle Tip	AR
	851-6311-2Z	5/8-11x2" Machine Bolt	24
	815-6311-Z	5/8-11 Nylon Insert Locknut	24
4	933-3632	Grease Line, Left Spinner Bearing	1
5	933-3639	Grease Line, Right Spinner Bearing	1
7	901-3753-16	L. Spinner Sand Paddle	4
	850-6311-1.5Z	5/8-11x1-1/2" Carriage Bolt	8
	814-6311-Z	5/8-11 Center Locknut Zinc	8
	SI-8500-SAND-PAD	Replacement Sand Paddle Package W/Hardware (Complete Spreader)	1
8	815-3824-Z	3/8-24 Nylon Insert Locknut	4
9	851-3824-1.5Z	3/8-24 x 1-1/2" Fine Thread GR 5 Bolt	4
10	19-0129	Left Spinner Gearbox	1
11	19-0130	Right Spinner Gearbox	1
12	19-0036	Corner Gearbox 1000 RPM Standard	1
	19-0035	Optional 540 Corner Gearbox	1
13	808-1.75-2.5-14	1 3/4 x 2 1/2 x 14 GA M.B. (Prior to SI078720/8865395)	AR
14	937-0010-1	1 3/4” Bore Chain Coupler	2
15	111-0060-18-CC	Coupler Chain Connector Pin & Snap Plate	2
16	935-0001	3/8 x 3/8 x 2” Key, Hardened	8
17	937-0009-1	1 1/2” Bore Chain Coupler	2
18	937-0009	1 1/2” Chain Coupler Kit (Prior to 08 SN)	1
19	937-0010	1 3/4” Chain Coupler Kit	1
20	901-3753-15	R. Spinner Sand Paddle	4
	850-6311-1.5Z	5/8-11x1-1/2" Carriage Bolt	8
	814-6311-Z	5/8-11 Center Locknut Zinc	8
	SI-8500-SAND-PAD	Replacement Sand Paddle Package W/Hardware (Complete Spreader)	1
22	914-3815	2” - 4 Bolt Bearing	2
23	901-3754-2	LH Poultry/Sludge Paddle	2
24	901-3753-13	RH Poultry/Sludge Paddle	2
25	901-3753-19	LH Sludge/Paste Paddle	2
26	901-3753-20	RH Sludge/Paste Paddle	2
27	937-0020	Over Running Clutch (08 Models and Later)	1
28	901-3753-22	Splined Hub w/Sleeve	2
29	35-0015	3/8"x3/8"x3" Square Key	1
30	937-0020-1	Clutch Housing	1
31	937-0020-2	Hub	1
32	18-0119-1-1-2	Key	2
33	18-0119-1-1-1	Leaf Spring	2
34	18-0119-1-1-3	Thrust Ring	1
35	18-0119-1-1-6	Retaining Ring	1
36	918-0208-1-2	Grease Zerk	1

SPINNER GEAR REDUCER - LEFT HAND (1:1) #19-0129



KEY	PART NO.	DESCRIPTION
1	19-0029-2	Casting, Machined (Thru Holes)
2	19-0029-1	Casting, Machined (Tapped Holes)
3	19-0029-3	Assembly, Pinion Shaft/Gear
4	19-0129-1	Assembly, Cross Shaft/Gear
5	19-0029-5	Bearing Cone
6	19-0029-6	Bearing Cup
7	19-0029-7	Bearing Cone
8	19-0029-8	Bearing Cup
9	19-0029-9	Seal 1-3/4"
10	19-0029-10	End Plug, Rubber Cover
11	19-0029-11	Retaining Ring, 1.750
12	19-0016-11	Bolt, 3/8-16 x 2.250 SHCS
13	19-0016-5	Plug, 1/2 NPT
14	19-0029-14	Bushing, 1/4 NPT to 1/8 NPT
15	55-0107	Plug, Breather
16	19-0029-16	Bearing Cone

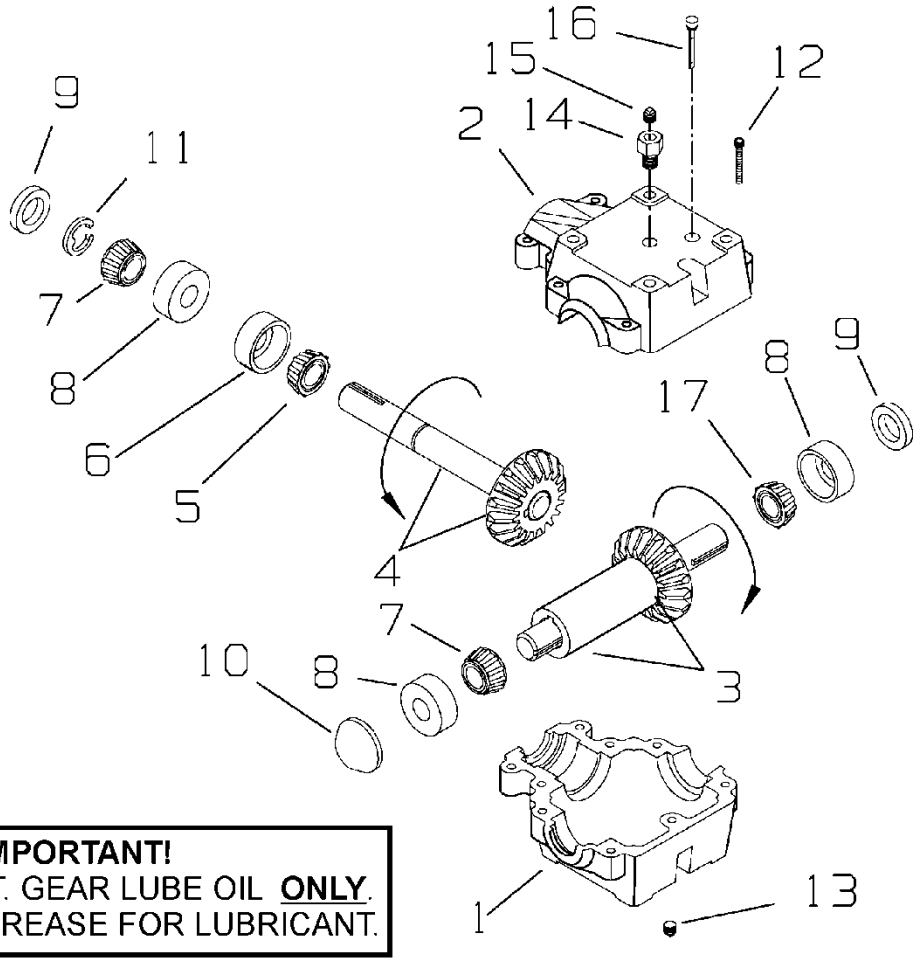
SPINNER GEAR REDUCER - CENTER (1:1) #19-0130



USE FLUID GEAR GREASE **ONLY**.
DO NOT USE OIL FOR LUBRICANT.

KEY	PART NO.	DESCRIPTION
1	19-0029-2	Casting, Machined (Thru Holes)
2	19-0029-1	Casting, Machined (Tapped Holes)
3	19-0029-3	Assembly, Pinion Shaft/Gear
4	19-0130-1	Assembly, Cross Shaft/Gear
5	19-0029-5	Bearing Cone
6	19-0029-6	Bearing Cup
7	19-0029-7	Bearing Cone
8	19-0029-8	Bearing Cup
9	19-0029-9	Seal 1-3/4"
10	19-0029-10	End Plug, Rubber Cover
11	19-0029-11	Retaining Ring, 1.750
12	19-0016-11	Bolt, 3/8-16 x 2.250 SHCS
13	19-0016-5	Plug, 1/2 NPT
14	19-0029-14	Bushing, 1/4 NPT to 1/8 NPT
15	55-0107	Plug, Breather
16	19-0029-16	Bearing Cone

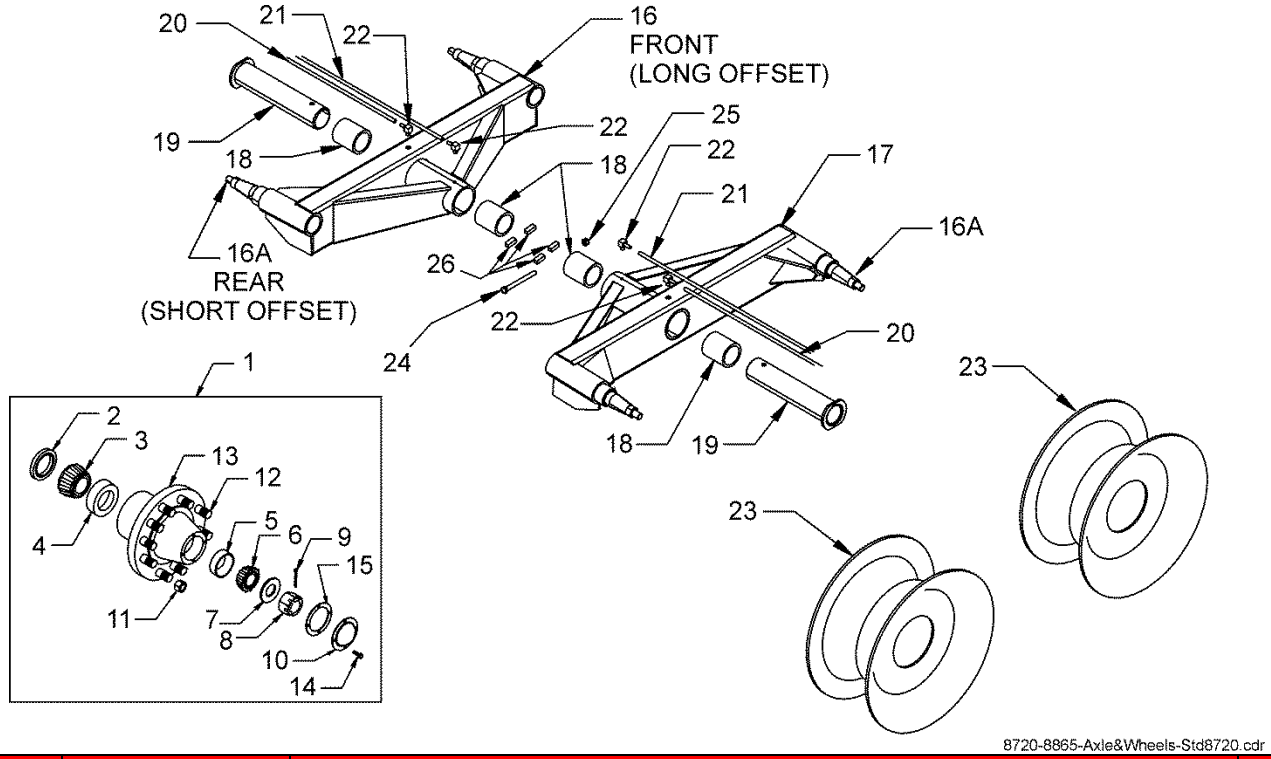
CORNER GEAR REDUCER - RIGHT HAND



IMPORTANT!
USE #80-90 WT. GEAR LUBE OIL **ONLY**.
DO NOT USE GREASE FOR LUBRICANT.

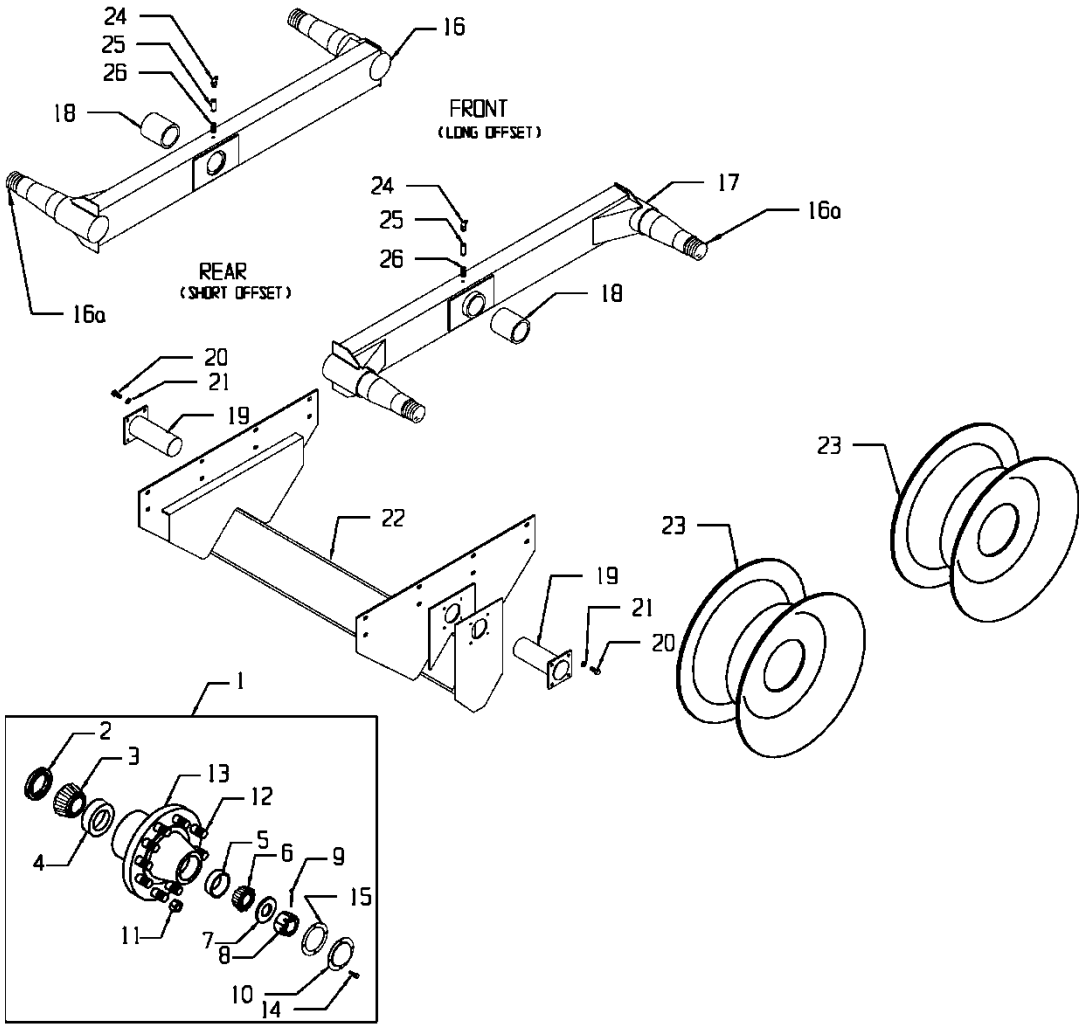
KEY	1000 RPM DRIVE PART NO.	540 RPM DRIVE PART NO.	DESCRIPTION
	19-0036	19-0035	Complete Gearbox
1	19-0031-1	19-0031-1	Casting, Machined (Tapped Holes)
2	19-0031-2	19-0031-2	Casting, Machined (Thru Holes)
3	19-0036-1	19-0035-1	Assembly, Cross Shaft/Gear
4	19-0031-4	19-0035-2	Assembly, Pinion Shaft/Gear
5	19-0029-5	19-0029-5	Bearing Cone
6	19-0029-6	19-0029-6	Bearing Cup
7	19-0029-7	19-0029-7	Bearing Cone
8	19-0029-8	19-0029-8	Bearing Cup
9	19-0029-9	19-0029-9	Seal 1-3/4"
10	19-0029-10	19-0029-10	End Plug, Rubber Cover
11	19-0029-11	19-0029-11	Retaining Ring, 1.750
12	19-0016-11	19-0016-11	Bolt, 3/8-16 x 2.250 SHCS
13	19-0016-5	19-0016-5	Plug, 1/2 NPT
14	19-0023-2	19-0023-2	Bushing, 1/2 NPT to 1/8 NPT
15	19-0002-17	19-0002-17	Plug, Pressure Relief, 5 PSI
16	19-0031-5	19-0031-5	Dip Stick
17	19-0029-16	19-0029-16	Bearing Cone

AXLE & WHEELS (STANDARD 8720)



KEY	PART NO.	DESCRIPTION	QTY
1	75-0211	Hub Assembly Complete 15,000#	4
2	75-0211-2	Seal	1
3	75-0211-3	Bearing Cone	1
4	75-0211-4	Bearing Cup	1
5	75-0208-5	Bearing Cup	1
6	75-0208-6	Bearing Cone	1
7	75-0208-7	Washer	1
8	75-0208-8	Nut	1
9	75-0208-9	Cotter Pin	1
10	75-0208-10	Hub Cap	1
11	75-0208-11	Lug Nut - Flanged	10
12	75-0208-12	Stud Bolt	10
13	75-0211-1	Hub Only w/Races & Studs	1
14	75-0208-13	Hub Cap Bolt	4
15	75-0208-14	Hub Cap Gasket	1
16	901-8720-11-1	LH Tandem Wing Assembly, Less Hubs	1
16A	75-0111	3-1/2"x23"Straight Spindle Prior To SN SI138720277	4
	75-0115	3-1/2"X23-1/2" Straight Spindle SN SI138720277 & Later	4
17	901-8720-10-1	RH Tandem Wing Assembly, Less Hubs	1
18	901-8720-10-1-4	Nylon Pivot Sleeve	4
19	75-2404-2-2	O-Beam Pivot Assembly	2
20	955-3761	3/16x10" Grease Hose	2
21	955-3762	3/16X16" Grease Hose	2
22	30-0020	1/8" NPT Street L	4
23	75-0276	10x20 Lock Ring Rim 1600R20 Used Military Tire	4
	75-0273	22.5x13 Wheel 0" Offset 425 Used Truck Tire	4
	75-0270	18X16.1 Wheel 21.5L Implement Tire	4
24	881-7510-8Z	3/4"X8" Grade 8 Bolt	2
25	815-7510-Z	3/4" Nyloc Nut	2
26	901-8720-10-1-6	1/4"X1/4"X1" KEY	4

AXLE & WHEELS, HI-FLOAT PACKAGE (STANDARD 8865) (OPTIONAL 8720)

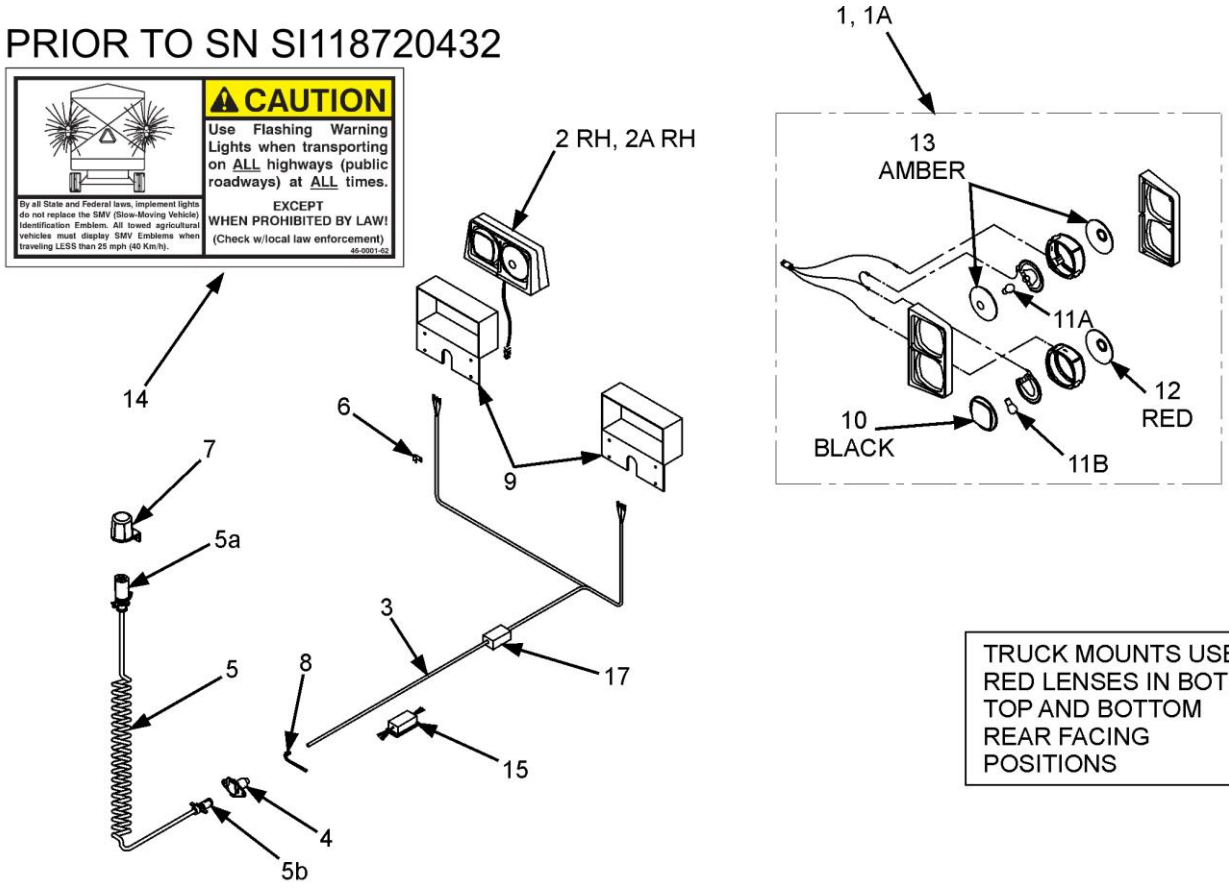


AXLE & WHEELS, HI-FLOAT PACKAGE (STANDARD 8865) (OPTIONAL 8720)

KEY	PART NO.	DESCRIPTION	QTY
1	75-0213	Hub Assembly Complete 20,000#	4
2	75-0213-2	Seal	1
3	75-0213-5	Bearing Cone	1
4	75-0213-10	Bearing Cup	1
5	75-0213-3	Bearing Cup	1
6	75-0213-6	Bearing Cone	1
7	75-0213-12	Washer	1
8	75-0213-13	Nut	1
9	75-0213-14	Cotter Pin	1
10	75-0213-7	Hub Cap	1
11	75-0208-11	Lug Nut - Flanged	10
12	75-0208-12	Stud Bolt	10
13	75-0213-1	Hub Only w/Races & Studs	1
14	75-0213-8	Hub Cap Bolt	4
15	75-0213-11	Hub Cap Gasket	1
16	901-3771	LH Tandem Wing Assembly, Less Hubs	1
16a	75-0113	4-1/2x27" Straight Spindle	4
17	901-3770	RH Tandem Wing Assembly, Less Hubs	1
18	901-3864-2	Nylon Pivot Sleeve	2
19	901-3773	O-Beam Pivot Assembly	2
20	881-6311-1.5Z	5/8-11 x 1 1/2” GR 8 M.B.	8
21	822-0063-Z	5/8” Split Lock Washer	8
22	901-3772	Axle Weldment	1
23	75-0271	DW25-26 Wheel	4
24	30-0006	Zerk 1/8" NPT x 90°	1
25	30-0009	1/8" NPT Coupler	1
26	30-0008	1/8" NPT Nipple	1

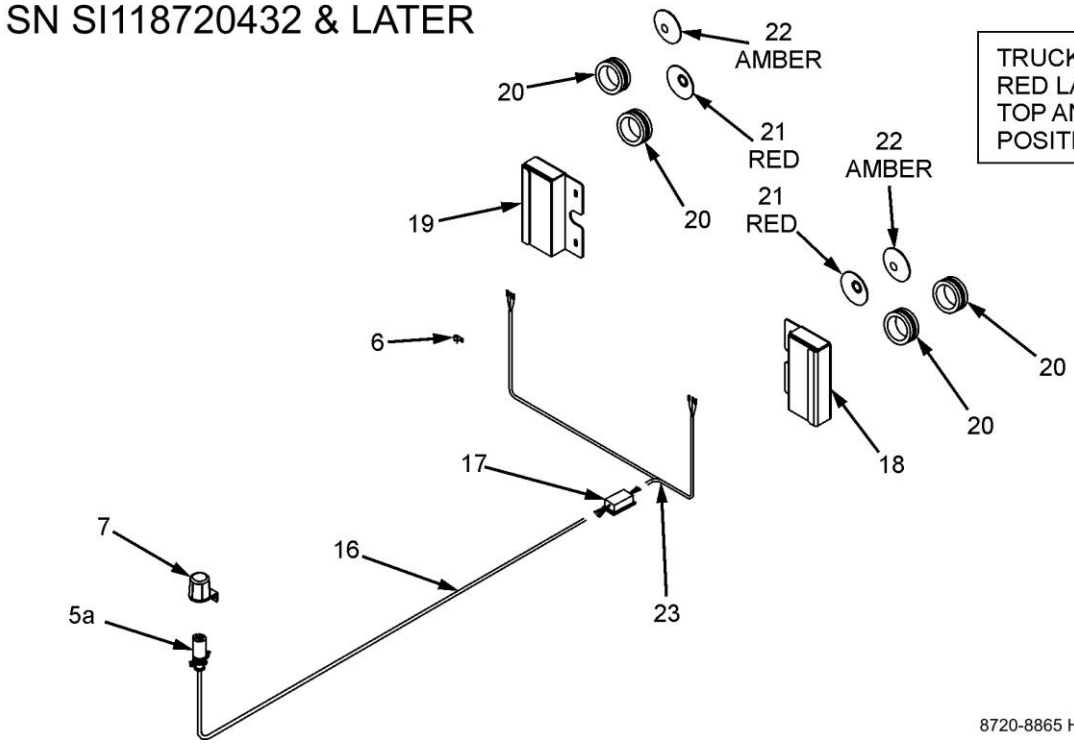
HIGHWAY LIGHTS

PRIOR TO SN SI118720432



TRUCK MOUNTS USE RED LENSES IN BOTH TOP AND BOTTOM REAR FACING POSITIONS

SN SI118720432 & LATER



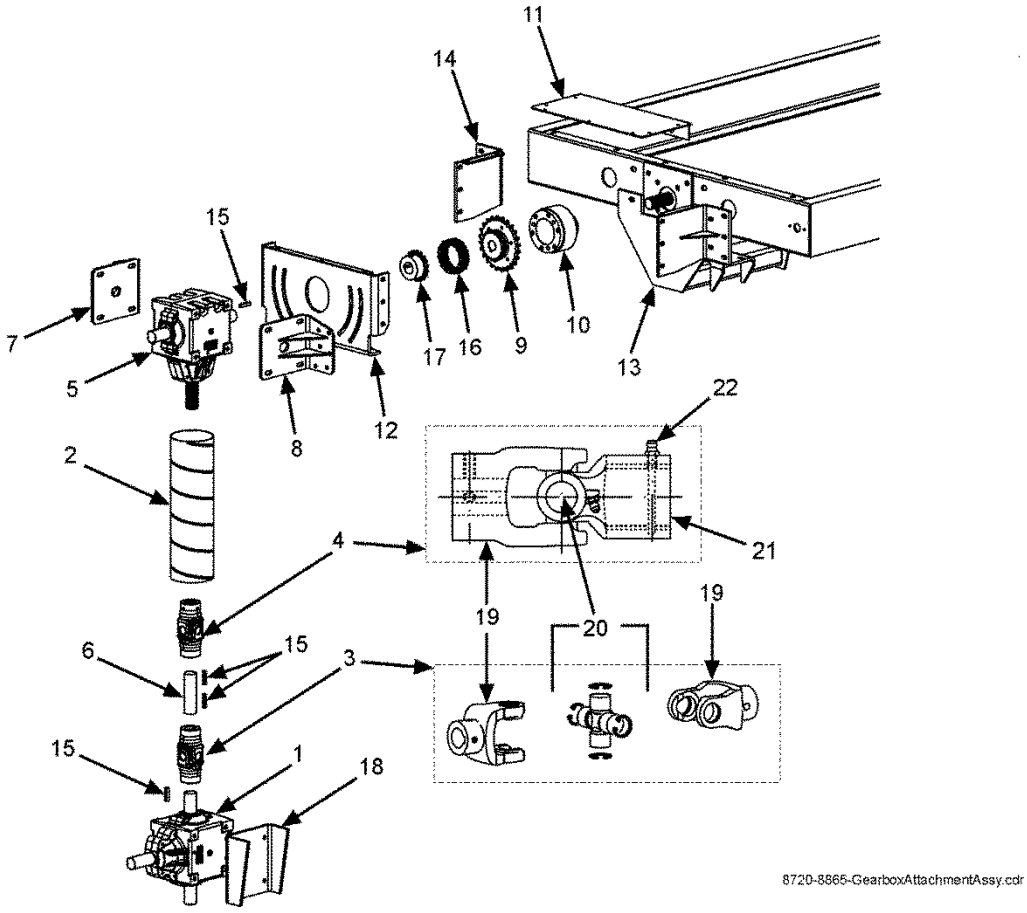
TRUCK MOUNTS USE RED LAMPS IN BOTH TOP AND BOTTOM POSITIONS

8720-8865 HighwayLights (AUG2014)

HIGHWAY LIGHTS

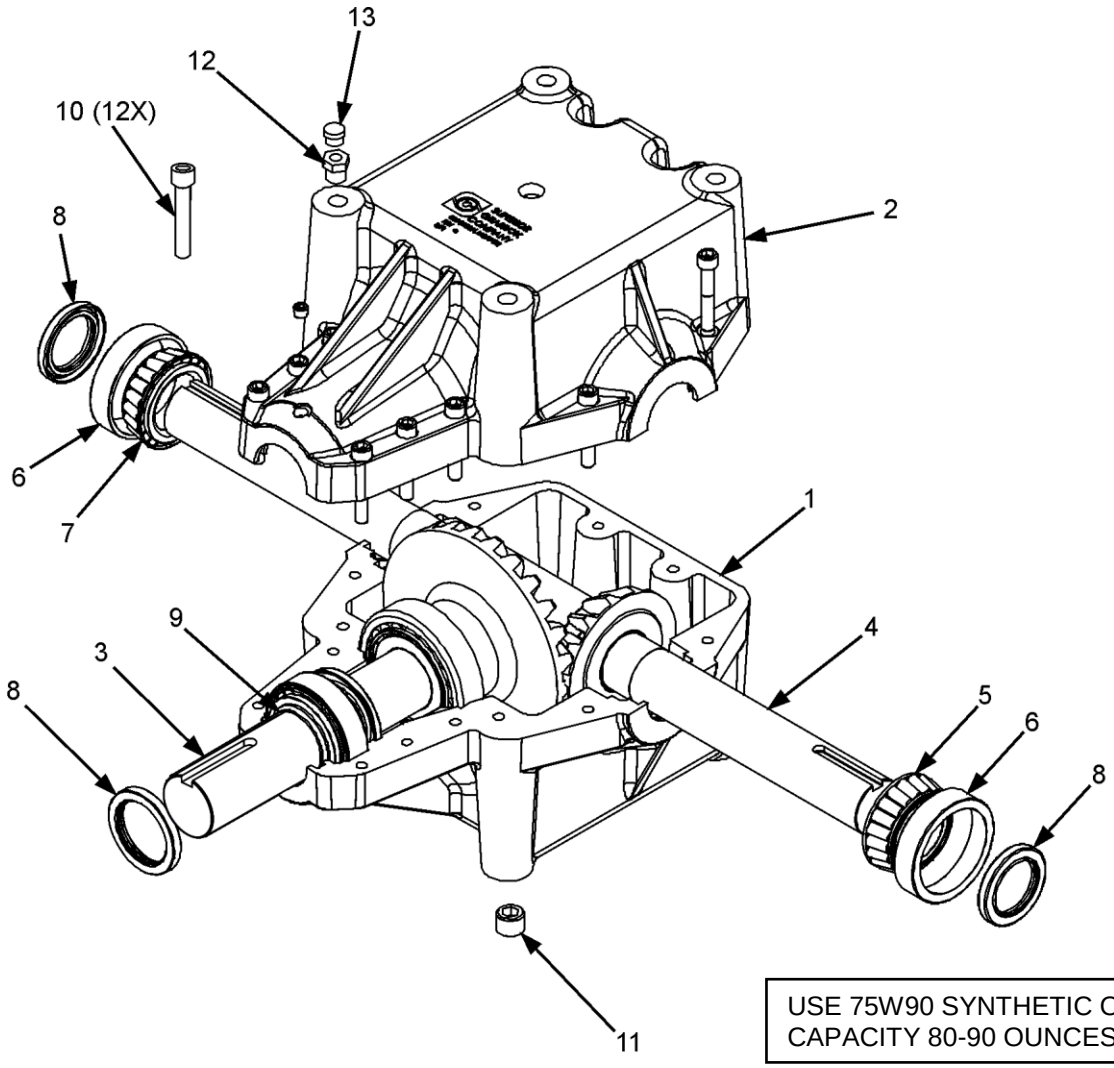
KEY	PART NO.	DESCRIPTION	QTY
1	56-0030	Dual Light LH w/4-Plug	1
1A	56-0030-TR	Truck Mount Dual Light LH w/4-Prong	1
2	56-0031	Dual Light RH w/4-Plug	1
2A	56-0031-TR	Truck Mount Dual Light RH w/4-Prong	1
3	52-0032-LED-PKG	Ag Light Harness w/Module LED Update	1
4	56-0004	#1232 4-Way Socket 4-Pin	1
5	56-0005	Coil Cable Assembly	1
5A	56-0005-4	7-Contact Plug End Only, w/Spring	1
5B	56-0005-1	4-Hole Plug End Only	1
6	56-0008	Harness Frame Clip	1
7	56-0009	Stor-A-Way Plug Holder	1
8	65-0006-5	Nylon Tie Straps	AR
9	925-3793	Right / Left Light Mount Bracket	2
10	56-0001-3	Bezel Blank, Black (Fit Inside Housing) (Prior to SN SI098720387)	2
	56-0030-3	Bezel Blank, Black (Fit Over Housing) (SN SI098720387 & Later)	2
11A	56-0001-5	#1156 Single Filament Bulb	2
11B	56-0001-4	#1157 Dual Filament Bulb	2
12	56-0001-2	Red Lens (Fit Inside Housing) (Prior to SN SI098720387)	2/4
	56-0030-2	Red Lens (Fit Over Housing) (SN SI098720387 & Later)	2/4
13	56-0001-1	Amber Lens (Fit Inside Housing) (Prior to SN SI098720387)	2/0
	56-0030-1	Amber Lens (Fit Over Housing) (SN SI098720387 & Later)	2/0
14	46-0001-62	Caution Tail Light Safety Sign	1
15	56-0028	Tail Light Converter (Truck Mount Only)	1
16	56-0095	8720 LED Light Cord w/ 7-Pin Ag Plug & 6-Pin Connector	1
	56-0096	8865 LED Light Cord w/7-Pin Ag Plug & 6-Pin Connector	1
17	56-0084	LED Ag Enhancer Module (SN SI118720432 & Later)	1
	56-0032-1	Replacement Module w/pigtails & Instructions (Prior to SN SI118720432)	1
18	925-0011-1	LH LED Mount Bracket	1
19	925-0012-1	RH LED Mount Bracket	1
20	56-0092	4” Round Grommet	4
21	56-0090	4” Red Stop/Tail/Turn LED Lamp	2/4
22	56-0091	4” Amber Turn/Warning Lamp	2/0
23	56-0083	LED Light Y-Harness Less Module with Plugs	1

GEARBOX ATTACHMENT ASSEMBLY, TRUCK



KEY	PART NO.	DESCRIPTION	QTY
1	19-0140	Gearbox Drive Lower Gearbox	1
2	49-0032	6" Hose	3'
3	618-0002	Lower joint Assembly Keyed	1
4	618-0005	Upper Joint Assembly Splined	1
5	619-0010-SYN	1.35:1 Ratio Upper Gearbox	1
6	623-0020	Gearbox Joint Shaft	1
7	625-8000-3	Right Gearbox Mount Bracket	1
8	625-8000-4	Left Gearbox Mount Bracket	1
9	910-0098	60B18/80B24 Sprocket W/Bolt Circle	1
10	918-0223-1	Cutout Clutch Assembly	1
11	925-8005-1	Cover Plate	1
12	925-8005-2	Gearbox Frame Plate Welded Assembly	1
13	925-8005-3	Left Mount Plate Welded Assembly	1
14	925-8005-4	Right Mount Plate Welded Assembly	1
15	935-0001	3/8X3/8X2" HARDENED KEY	2
16	111-0060-18-CC	Coupler Chain Connector Pin & Snap Plate	1
17	937-0010-1	60-18 Chain Coupler 1-3/4" Bore	1
18	625-8000-6	Lower Gearbox Mount Plate	1
19	618-0002-1	Yoke, 1-3/4" w/3/8" Keyway	3
20	918-0208-2-1	Cross & Bearing Kit	2
21	618-0005-1	Yoke, 1-3/4"-20 SPL	1
22	618-0005-1-1	Grease Zerk	1

19-0140 LOWER GEARBOX - TRUCK
(SI-GBD PKG)



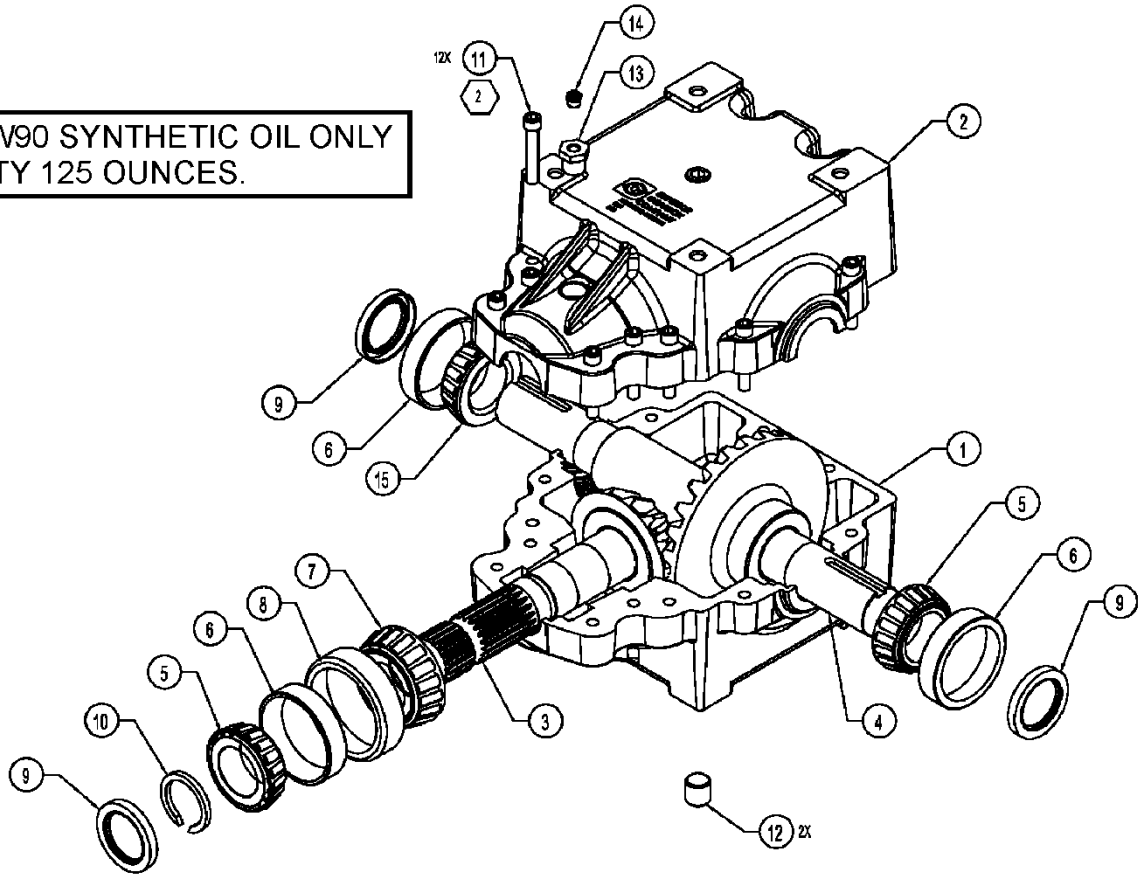
USE 75W90 SYNTHETIC OIL ONLY
CAPACITY 80-90 OUNCES.

8720-8865-LowerGearbox-Truck.cdr

KEY	PART NO.	DESCRIPTION
1	619-0010-1	Casting, Machined (Tapped Hole) 1.35:1
2	619-0010-2	Casting, Machined (Thru Holes) 1.35:1
3	19-0140-1-ASSY	Pinion Shaft Gear w/ Bearings, Cups, Seal, Retaining Ring Assembly
4	619-0010-4	Cross Shaft gear Assembly 1.35:1
5	19-0029-7	Bearing Cone 1.750"
6	19-0029-8	Bearing Cup
7	19-0029-16	Bearing Cone
8	19-0029-9	Seal 1-3/4"
9	19-0029-11	Retaining Ring 1.750"
10	19-0016-11	Bolt, 3/8-16x2-1/4" SHCS
11	19-0016-5	Plug 1/2" NPT
12	19-0024-17	Bushing 1/2" to 1/8" NPT
13	19-0002-17	5 PSI Vent Plug

619-0010-SYN UPPER GEARBOX - TRUCK
(SI-GBD PKG)

USE 75W90 SYNTHETIC OIL ONLY
CAPACITY 125 OUNCES.



KEY	PART NO.	DESCRIPTION
1	619-0010-1	Casting, Machined (Tapped Hole) 1.35:1
2	619-0010-2	Casting, Machined (Thru Holes) 1.35:1
3	619-0010-3	Pinion Shaft Gear Assembly 1.35:1
4	619-0010-4	Cross Shaft gear Assembly 1.35:1
5	19-0029-7	Bearing Cone 1.750"
6	19-0029-8	Bearing Cup
7	19-0029-5	Bearing Cone
8	19-0029-6	Bearing Cup
9	19-0029-9	Seal 1-3/4"
10	19-0029-11	Retaining Ring 1.750"
11	19-0016-11	Bolt, 3/8-16x2-1/4" SHCS
12	19-0016-5	Plug 1/2" NPT
13	19-0024-17	Bushing 1/2" to 1/8" NPT
14	19-0002-17	5 PSI Vent Plug
15	19-0029-16	Bearing Cone

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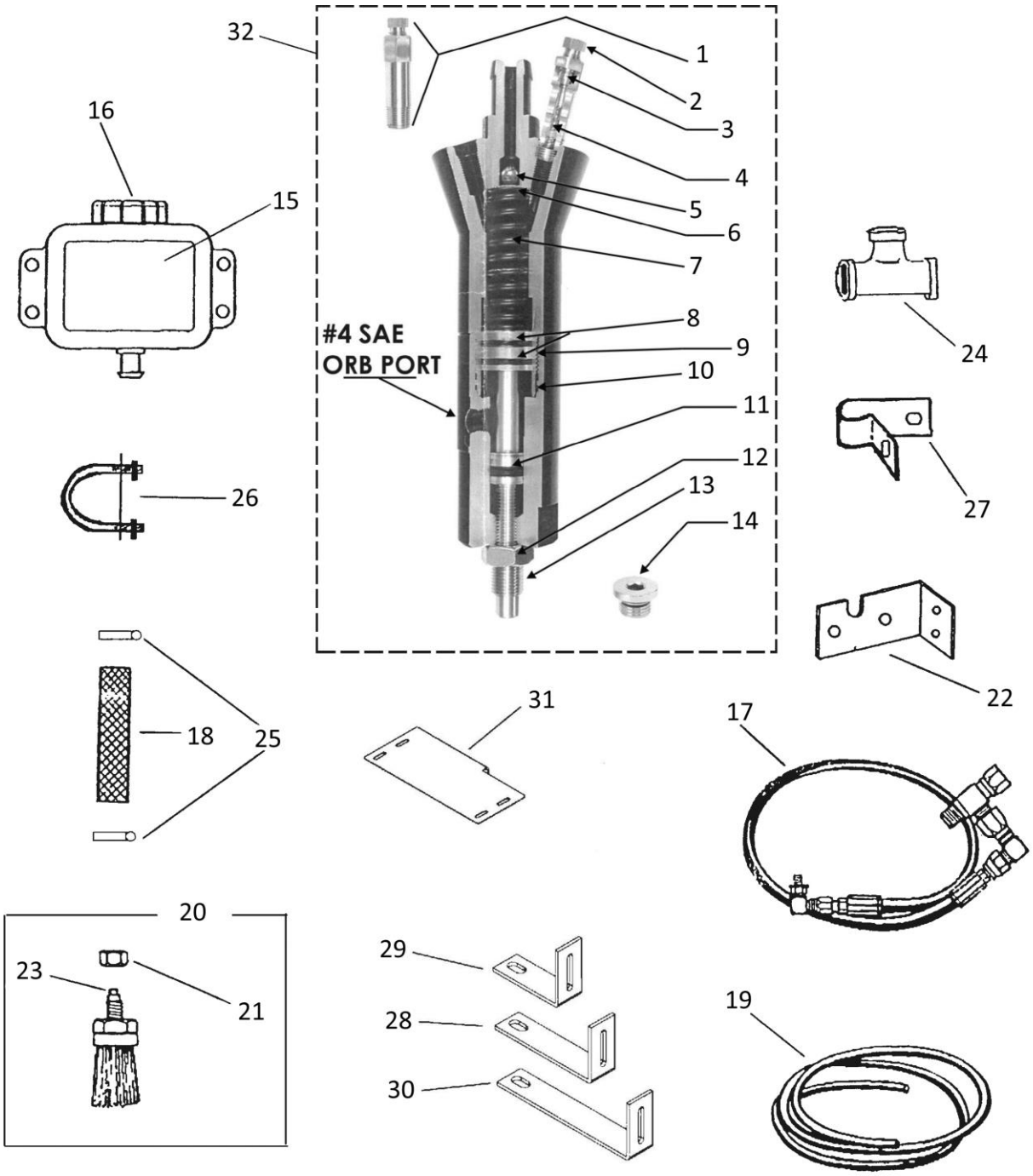
OIL-KIT



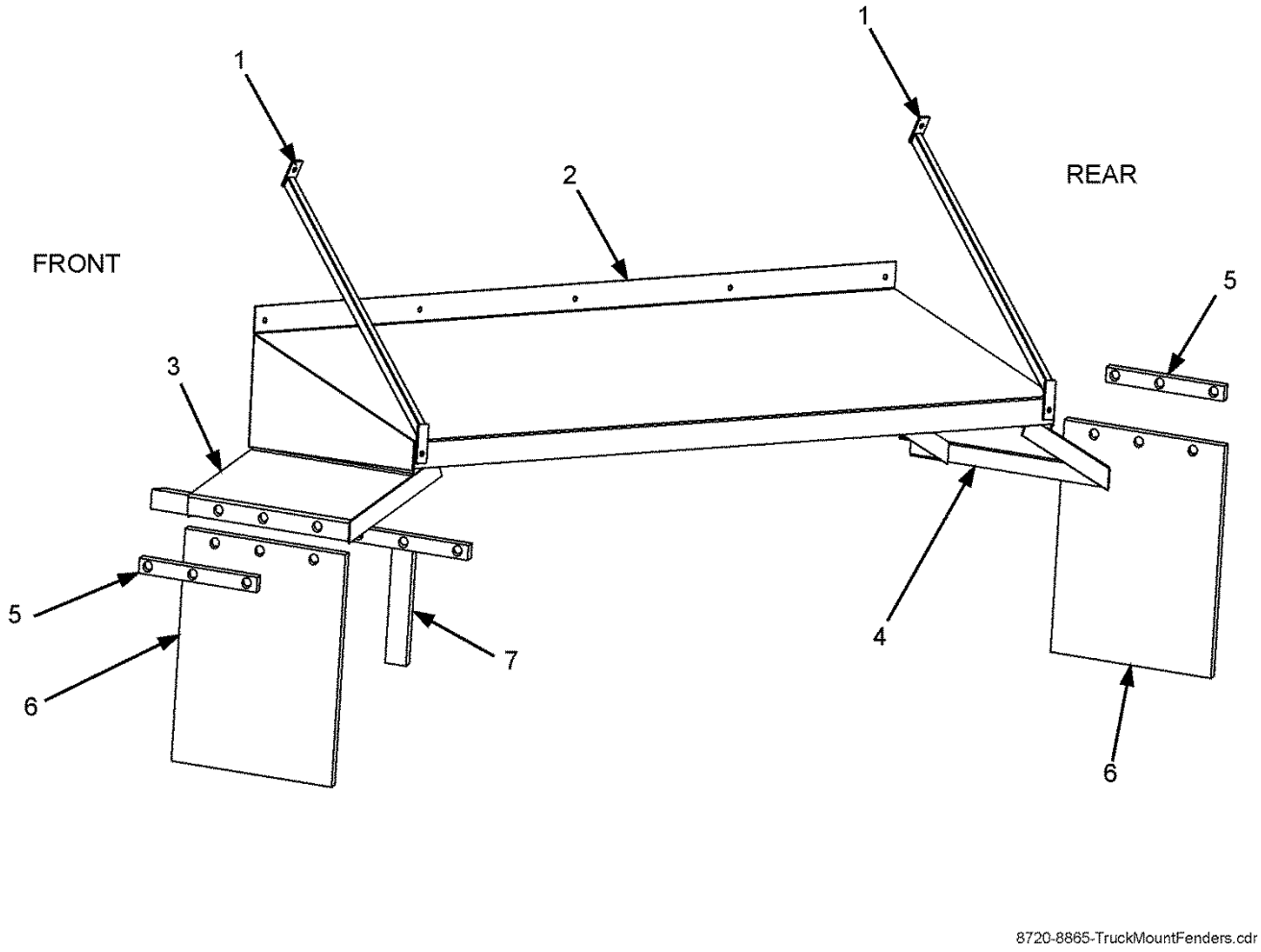
See Page 24 for Oil Type and Oil Instructions

OIL-KIT

KEY	PART NO.	DESCRIPTION
1	952-0001-1-33	Holder, Manifold Valve Assembly
2	952-0001-1-27	Sleeve Nut Brass
3	952-0001-1-28	5/32 Brass Ferrule
4	952-0001-1-9	One Way Valve (Schrader Valve)
5	952-0001-1-11	Bearing, 7/16" Stainless
6	952-0001-1-10	Screen Flat Oiler .906 Diameter
7	952-0001-1-5	Spring, Oiler
8	952-0001-1-8	O Ring, Oiler Piston
9	952-0001-1-4	Piston, 2 Groove Alum, Short
10	952-0001-1-6	Washer, Rubber Lube Minder
11	952-0001-1-7	O Ring, Adjustable End Cap Plunger
12	952-0001-1-16	1/2-20 Jam Nut
13	952-0001-1-3	Plunger, Brass Adjustable End Cap
14	952-0001-1-32	1/8" Hex Head Pipe Plug
15	952-0001-1-18	Reservoir Two Quart Tank
16	952-0001-1-35	Reservoir Cap Only
17	952-0001-1-19	Hydraulic Hose Assembly Meyer Mfg.
18	952-0001-1-20	Tubing 5/8" ID Clear Polybraid
19	952-0001-1-21	Tubing 5/32" Nylon (Feet)
20	952-0001-1-25	Brush Assembly No 5/32 Insert
21	813-5020-Z	1/2 20 Plated Nut
22	952-0001-1-17	Bracket Oiler Mounting Pump
23	952-0001-1-14	5/32 Push In Insert (Nycoil)
24	955-3803	BM Pipe Tee 3/8 x 3/8 x 3/8
25	952-0001-1-30	1" Hose Clamp
26	952-0001-1-31	U-Bolt Assembly # 9
27	08-0050	5-16” Loom Clamp
28	33-8000-7	Brush Holder
29	952-0001-3	Auger Chain Brush Holder
30	952-0001-8	120/140 Chain Brush Holder
31	952-0001-5	Oiler Tank Mount Plate
32	952-0001-1-36	Oiler Body Pump Assembly, Complete
	952-0001-1-36-R	Oiler Pump Rebuild Kit

TRUCK MOUNT FENDERS

LH Side (mirror for RH side)



8720-8865-TruckMountFenders.cdr

KEY	PART NO.	DESCRIPTION
1	901-3889	Spreader Truck Fender End Support Welded Assembly
2	901-3878	Fender Weldment
3	9925-003-RH	Front LH/Rear RH Fender Flare
4	9925-003-LH	Front RH/Rear LH Fender Flare
5	25-8212	Rear Mud Flap Attaching Strap
6	49-0092	Black Mud Flap
7	9925-004	Front Mud Flap Wind Break Weldment

MEYER INDUSTRIAL SPREADER

TROUBLESHOOTING

	SYMPTOM	PROBLEM	SOLUTION
AUGERS	Augers shake or chatter	Stiff roller chains - dry Loose roller chains Worn sprockets/chain Dry auger trough	Lubricate roller chains Tighten roller chains Replace sprockets/chains Load auger trough w/manure
	Augers wobble/lift up & down	Worn auger shaft bushings Worn auger hold down nylon bearings	Replace auger shaft bushings Replace auger hold down nylon bearings
FLOW CONTROL GATE	Will not lift	No hydraulic supply Froze tight w/build-up	Supply hydraulic power Thaw frozen build-up
	Will not close/seal	Lodged foreign object/dirty	Remove foreign object/clean
	Sticks/binds	Dirty/dry slide guides Worn slide guides Worn out slide guide polyslick	Clean/lubricate slide guides Replace slide guides Replace slide guide polyslick
GEAR BOXES	Clunking sounds	Gears/bearings wearing Low oil or fluid gear grease	Replace gears/bearings Fill with #80-#90 wt. Gear lube oil or fluid gear grease
	Excessive oil use	Worn out oil seals Dry manure & twine wrapping	Replace oil seals Clean & remove build-up at seal areas
	Gear damage	High speed/full load start-up Worn out gears	Slow start-up, fill with oil Replace gears
MATERIAL GUIDES	Dirty/build-up	Too slow spinner RPM's	Operate spreader at recommended RPM's
PTO SHAFT	Whips/shakes	Over extended or bent PTO	Adjust tractor drawbar length - See Page 11
	Vibrates up & down	Spreader center shaft bent	Replace center shaft
	Worn Universal Joints	Lack of lubrication/used	Lubricate joints daily replace joint
ROLLER CHAINS AND SPROCKETS	Excessive chain wear	Lack of lubrication Out of alignment/loose	Lubricate/align/tighten
	Roller chain breakage	Loose roller chain Worn sprockets	Tighten roller chains Replace sprockets
	Sprocket teeth tipped over	Worn roller chain Bad roller bearings	Replace roller chain Replace bearings
SPINNERS PADDLES/TEETH	Spinners turn hard/squeak	Bad lower spinner bearings	Replace lower spinner bearings
	Shake at high RPM's (excessive vibration)	Spinner bent/out of balance	Straighten/balance/replace spinner
	Excessive paddle damage	Wobbled out lower spinner shaft Too slow spinner RPM's Lodging of manure Spreading foreign objects	Replace or re-weld lower spinner shaft Operate spreader at recommended RPM's Adjust material guides Straighten/replace paddles Avoid loading foreign objects

WHEEL TORQUE

BOLT/STUD SIZE	SOCKET SIZE	PRESS FORMED WHEEL CENTER	BOLT TYPE	HEAVY DUTY WHEEL CENTER
3/4	1-1/8 / 1-1/2	NA	Flange Nut	378 ft lbs

8720/8865 SPREADER W/BRAKES TIRE WHEEL TORQUE

- Clean adjoining surfaces
- Start nuts to bring wheel and brake drum flush to hub mounting surface.
- Avoid brake drum and/or wheel binding on hub.
- Install remaining wheel nuts. Torque to 50 ft-lbs. Then re-torque to 450-500 ft-lbs (22mm) or 378 ft-lbs (3/4").
- Re-torque wheel nuts after 50-100 miles.
- Check wheel nut torque every 10,000 miles and re-torque as necessary.

CAUTION: THESE INSTRUCTIONS ARE NOT COMPLETE. READ AND FOLLOW ALL PROCEDURES IN USER'S GUIDE TO WHEELS AND RIMS BY "THE MAINTENANCE COUNCIL" #T0410. IF YOU HAVE QUESTIONS CALL WALTHER ENG. & MFG. COMPANY INC. (937) 743-8125.

TIRE INFLATION

TIRE SIZE	PLY	PSI
21.5L-16.1	18	44
28L-26	16	28
425/65X22.5	used truck	75
550/45X22.5	20	58

MEYER INDUSTRIAL SPREADER

DIMENSIONS & SPECIFICATIONS

	Industrial 8720 Trailer Type w/ 21.5 Tires "	Industrial 8720 Truck Mount w/ Mount Brackets	Industrial 8865 Trailer Type w/ 28L x 26 Tires	Industrial 8865 Truck Mount w/ Mount Brackets
CAPACITY				
Bushels Heaped	720	720	865	865
Gallons/Cu.ft. (Struck)	3500/468	3500/468	4200/562	4200/562
Cu. Yards. (struck)	17.33 cu. yards	17.33 cu. yards	20.8 cu. yards	20.8 cu. yards
DIMENSIONS				
Overall Length	26'6"	20'10" w/ Hyd Motor	29'10"	24'2" w/ Hyd Motor
Inside Tank Length	16'8"	16'8"	20'	20'
Loading Height	87" w/21.5 or 425/6591" w/16.00X20	68"Plus Truck Height	88" w/28L x 26	68" Plus Truck Height
Overall Height -Top of Splash Guard	96" w/21.5 or 425/65100" w/16.00X20	77"Plus Truck Height	97" w/28L x 26 Tires	77" Plus Truck Height
Overall Width (std. Axle)Outside Tires	118" w/21.5L114" w/16.00X20	101"	N/A	101"
Overall Width w/High Floatation axle pkg.	141" w/28L x 26		141" w/ 28L x 26 Tires	
Top Inside Tank Width	101"	101"	101"	101"
SPECIFICATIONS				
Total Weight	13,720#	9,400#	18,020#	10,700#
Maximum Load Net (Lbs.)	35,200#	35,200#	38,000#	38,000#
Lower Auger Diameter	23"	23"	23"	23"
Lower Auger Flighting Thickness	3/8" Sectional	3/8" Sectional	3/8" Sectional	3/8" Sectional
Independent Lower Auger Shear Hub Sprockets	Standard	Standard	Standard	Standard
3rd Auger (solid material)	Standard - 16"	Standard -16"	Standard - 16"	Standard - 16"
Drive - PTO-RPM	1000 RPM Constant Velocity 1 3/8-21 spline	PTO - Direct Std. Hydrostatic-Opt.	1000 RPM Constant Velocity 1 3/4-20 Spline	PTO - Direct Std. Hydrostatic-Opt.
Drive Line Protection	Overrunning Cut Out Clutch w/ Shear Bolt Augers	Cut Out Clutch w/ Shear Bolt (PTO Version)	Overrunning Cut Out Clutch w/ Shear Bolt Augers	Cut Out Clutch w/ Shear Bolt (PTO Version)
Roller Chain Drive	80-120-140	80-120-140	80-120-140	80-120-140
Roller Chain Auto Oiler	Standard	Standard	Standard	Standard
Expeller Speed (RPM)	716 RPM	716 RPM	716 RPM	716 RPM
Expeller Diameter	30"	30"	30"	30"
TANK CONSTRUCTION				
Material	Copper Bearing Steel	Copper Bearing Steel	Copper Bearing Steel	Copper Bearing Steel
Thickness - Auger Troughs	1/4"	1/4"	1/4"	1/4"
Thickness - Tank Sides	3/16"	3/16"	3/16"	3/16"

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

MEYER INDUSTRIAL SPREADER
DIMENSIONS & SPECIFICATIONS

	Industrial 8720 Trailer Type w/ 21.5 Tires "	Industrial 8720 Truck Mount w/ Mount Brackets	Industrial 8865 Trailer Type w/ 28L x 26 Tires	Industrial 8865 Truck Mount w/ Mount Brackets
Frame Construction	Heavy 8" Channel	Heavy 8" Channel	Heavy 8" Channel	Heavy 8" Channel
Door Opening	32" x 53"	32" x 53"	32" x 53"	32" x 53"
Standard Axle Spindle Diameter	Standard Tandem 3 1/2"" Sleeved		N/A	
High Floatation Axle Spindle Diameter	Optional Tandem 4 1/2"" Sleeved		Standard Tandem 4 1/2"" Sleeved	
Standard Axle Hub Size	10 Bolt-15,000#		N/A	
High Floatation Axle Hub Size	10 Bolt-20,000# (opt.)		10 bolt-20,000# (std.)	
Splash Shields-Standard	45 Front/45 Rear	45 Front/45 Rear	45 Front/45 Rear	45 Front/45 Rear
Lights w/hookup cord	Standard	Standard	Standard	Standard
Tractor Requirement PTO HP (Min.)	130 HP Tractor		160 HP Tractor	
OPTIONS				
1000 RPM 1 3/8"-21 Spline	Standard		Optional	
1000 RPM 1 3/4"-20 Spline	Optional		Standard	
Hydraulic Lid	Optional	Optional	Optional	Optional
Poultry Litter Package	Optional	Optional	Optional	Optional
High Floatation Axle Package	Optional		Standard	
Hyd. Brakes-HF axle only	Optional (2 or 4 wheel)		Optional (2 or 4 wheel)	
Safety Chain	Optional		Optional	
Truck Mount Drive Options		PTO - Direct Std. Hydrostatic - Opt		PTO - Direct Std. Hydrostatic - Opt
Hyd. Drive Expellers W/variable auger speeds	N/A	Optional	N/A	Optional

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

See the spreader truck mount specifications for mounting instructions, which is also available at www.meyermfg.com/specifications.php.

MEMBER
FEMA

Manufactured By:

Meyer Mfg. Corp.
574 West Center Avenue
P.O. Box 405
Dorchester, Wisconsin 54425
Phone: 800-325-9103
Fax: 715-654-5513
E-mail: sales @meyermfg.com
Website: www.meyermfg.com

MANUFACTURED IN DORCHESTER WI BY MEYER

Farm Equipment Buyers Trust the Name Meyer!

NOTES

NOTES

MEYER INDUSTRIAL SPREADER

MAINTENANCE RECORD

Model No.______________________ Serial No.______________________

Delivery Date: ______________________

DATE	SERVICE PERFORMED

DATE	SERVICE PERFORMED

Meyer Manufacturing Corporation

574 West Center Avenue
Dorchester, WI 54425
Phone: 1-800-325-9103
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Email: sales@meyermfg.com
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