



Patented
U.S. Patent NO.
5,368,236
5,501,404



SXR / SXL

SXR400T • SXR500T • SXL2636 •
SXL2636T • SXL3954T • SXL3954T-WS

Owner / Operator's Manual & Parts Book

Starting 2020 Model Year



1.0 IMPORTANT INFORMATION

The serial number plate is located on the front left-hand side.

Please enter the model, serial number and additional information in the space provided for future reference.



Model No. _____

Spreader Body Serial No. _____

Date of Purchase _____

Dealership _____

Dealership Phone No. _____

Always use your serial number when requesting information or when ordering parts.

HOW TO READ YOUR SERIAL NUMBER

EXAMPLE: SX20400201

Model Type / Model Year / Model / Sequence Of Build



SX

20

400

201

Meyer Manufacturing Corporation
674 W. Business Cty Rd A
Dorchester, WI 54425
Phone: 1-800-325-9103
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Email: parts@meyermfg.com
Website: www.meyermfg.com



2.0 PRE-DELIVERY & DELIVERY CHECKLIST

Spreader Checklist

Meyer Manufacturing Corporation

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

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

PRE-DELIVERY CHECKLIST

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, gearboxes 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.
- All stop/tail/turn lights work properly.
- All decals are in place and legible.

DELIVERY CHECKLIST

The following checklist 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 checklist 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.
- Fully complete this "PRE-DELIVERY & DELIVERY CHECKLIST" with the customer.



3.0 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 have 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 / Operator's Manual & Parts Book" 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.

Sincerely,

*All Employees of
MEYER MANUFACTURING CORPORATION*

The SXR / SXL spreader is available as a truck mounted or pull-type unit pulled and powered by a farm tractor.

When the PTO is referred to, it means power take off from the truck.

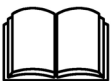
The SXR / SXL spreaders may be referred to as 2636, 3954, 400, 500, SXL, SXR, spreader or implement in this manual.



IMPORTANT: 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 expense. 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.



WARRANTY: 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 Manufacturing to validate the manufacturer's warranty. The product model and serial number are recorded on this form and on the inside of the front cover for proper identification of your Meyer SXR / SXL spreader by your dealer and the manufacturer when ordering repair parts. The serial number plate is located on the front left-hand side.



REPAIR PARTS: 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 number and serial number of the SXR / SXL spreader which needs repair parts.

Manufacturer's Statement: Meyer Manufacturing Corporation 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.



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4.0 MANUFACTURER'S WARRANTY

01/2020

MEYER SXR / SXL 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 SXR / SXL 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 SXR / SXL 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 SXR / SXL 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 SXR / SXL 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 "prorated" 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 (Prorated parts only). Parts included, front and rear end panels, side panels and auger trough.
- IV. COMMERCIAL USE: Coverage as in paragraph III.A.i. 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 SXR / SXL 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, tarps, etc.



5.0 SAFETY

The Meyer SXR / SXL Spreader is manufactured with operator safety in mind. Located on the 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.

Carefully follow the operating and maintenance instructions in this manual and all applicable safety laws. Failure to follow all safety procedures may result in serious injury or death.

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.

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 spreader itself warn you of dangers and must be read and observed closely!



Safety Alert Symbol

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

The signal word **DANGER** on the machine and in the manual identifies a hazardous situation which, if not avoided, WILL result in death or serious injury.



WARNING

The signal word **WARNING** on the machine and in the manual indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.



CAUTION

The signal word **CAUTION** on the machine and in the manual indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury. It may also be used to alert against unsafe practices.

IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

Danger, Warning, Caution, and instructional decals and plates are placed on the equipment to protect anyone working on or around this machine, as well as the components of the machine. All personnel operating or maintaining this equipment must familiarize themselves with all Danger, Warning, Caution, and instructional decals and plates.

5.1 SAFETY PRECAUTIONS



CAUTION



All individuals who will operate this spreader must read and completely understand this Operator's And Parts Manual. Operator must have instructions before operating the machine. Untrained operators can cause injury or death.

- DO NOT allow anyone to operate, service, inspect or otherwise handle this spreader until all operators have read and understand all of the instructional materials in this Operator's And Parts Manual and have been properly trained in its intended usage.
- For an operator to be qualified, he or she must not use drugs or alcohol which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine and the equipment.
- Make sure all personnel can READ and UNDERSTAND all safety signs.
- DO NOT allow minors (children) or inexperienced persons to operate this spreader.
- DO NOT operate until all shields and guards are in place and securely fastened.
- DO NOT step up on any part of the spreader at any time.
- DO NOT adjust, clean, or lubricate while the spreader is in motion.
- Inspect when first delivered and regularly thereafter; that all connections and bolts are tight and secure before operating.
- Know how to stop operation of the spreader before starting it!
- 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.
- 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.
- Shut off and lock out power before adjusting, servicing, maintaining or clearing an obstruction from this machine. (See 5.3 SHUTOFF & LOCKOUT POWER on page 20.)
- Always enter curves or drive up or down hills at a low speed and at a gradual steering angle.
- Never allow riders on either tractor / truck or equipment.
- Keep tractor / truck in a lower gear at all times when traveling down steep grades.
- Maintain proper brake settings at all times (if equipped).
- Stay well clear of the spreader's rear discharge spinners while operating.
- Do not step over the power take-off shaft. Stay clear of PTO at all times.
- Use only properly rated tires.
- **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 Transportation Section.

Safety Precautions For Tractor Towed Units:

- Do not exceed 20 mph (32 kph). Reduce speed on rough roads and surfaces.
- Always install a SMV emblem on pull-type equipment when transporting on roadways and keep clean and bright.
- Always yield to oncoming traffic in all situations and move to the side of the road so any following traffic may pass.
- Comply with state and local laws governing highway safety and movement of machinery on roadways.

Safety Precautions For Hydraulic System:

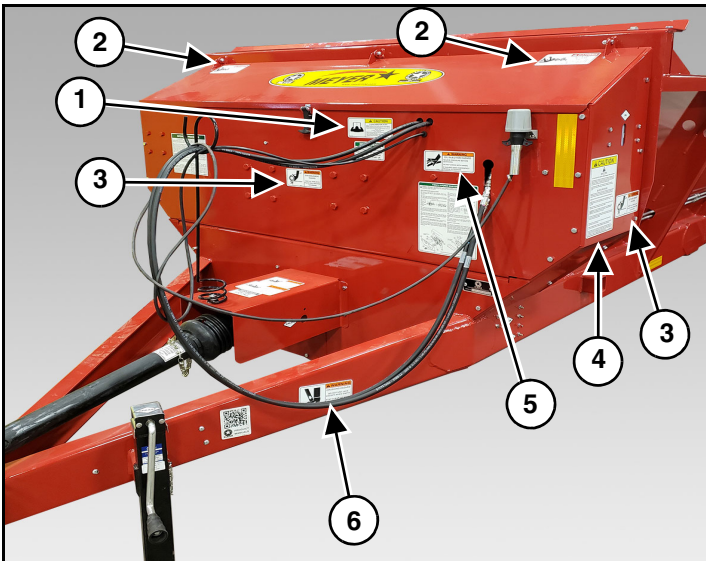
- Check hydraulic tubes, hoses and fittings for damage and leakage. Never use hands to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.
- Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.

5.2 SAFETY SIGNS

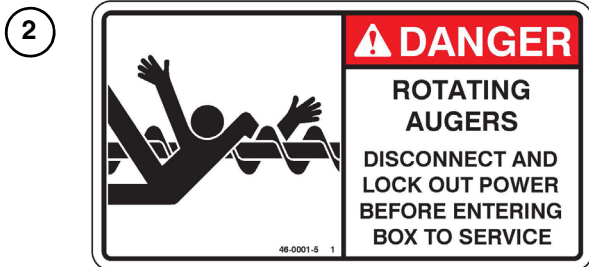


Read all safety signs on the spreader and in this manual. Keep all safety signs clean and replace any damaged or missing safety signs before operating the equipment. Do not remove any safety signs. Safety signs are for operator protection and information.

FRONT OF SPREADER



PART NO. 46-0001-35



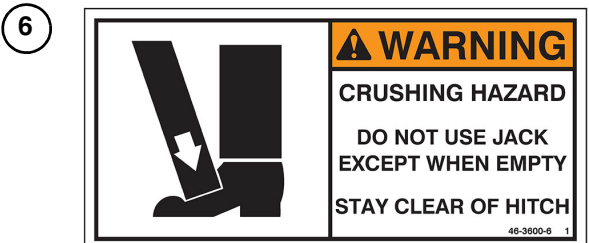
PART NO. 46-0001-5



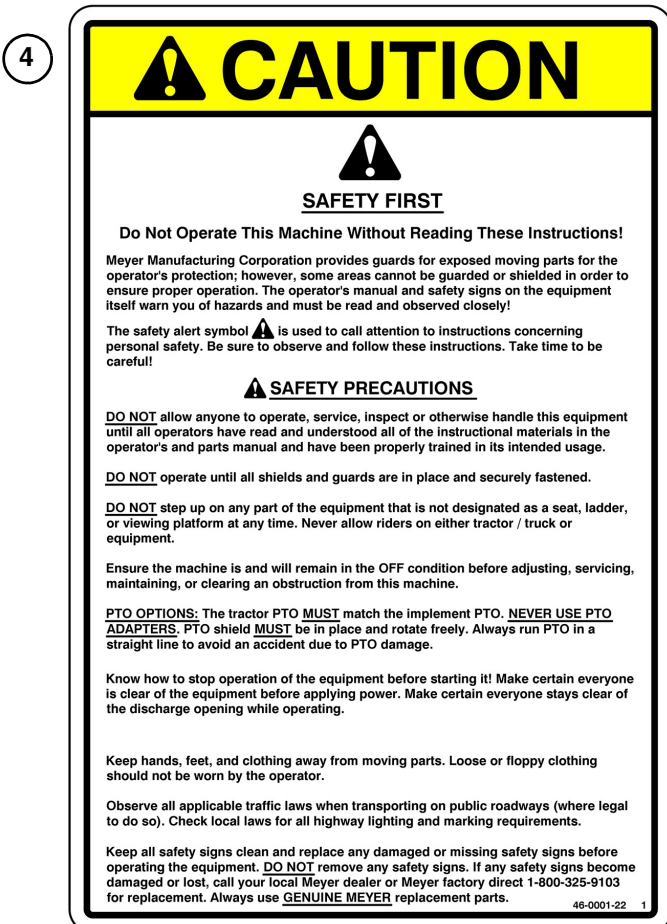
PART NO. 46-0001-4



PART NO. 46-8500-7

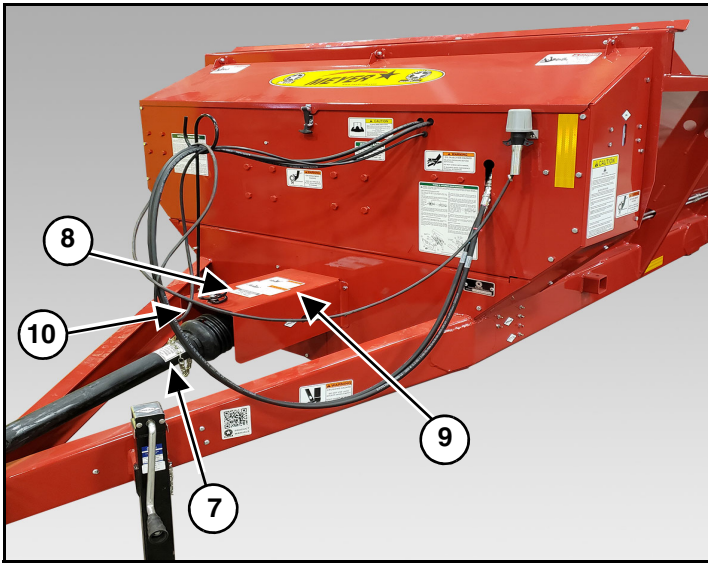


PART NO. 46-3600-6



PART NO. 46-0001-22

FRONT OF SPREADER

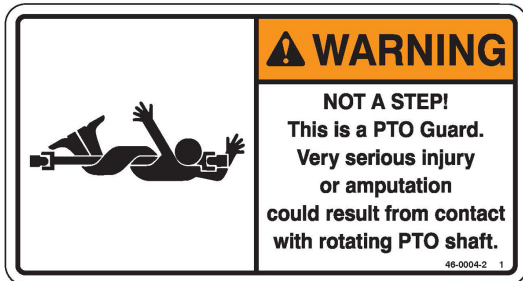


7



PART NO. 46-0001-13

8



PART NO. 46-0004-2

9



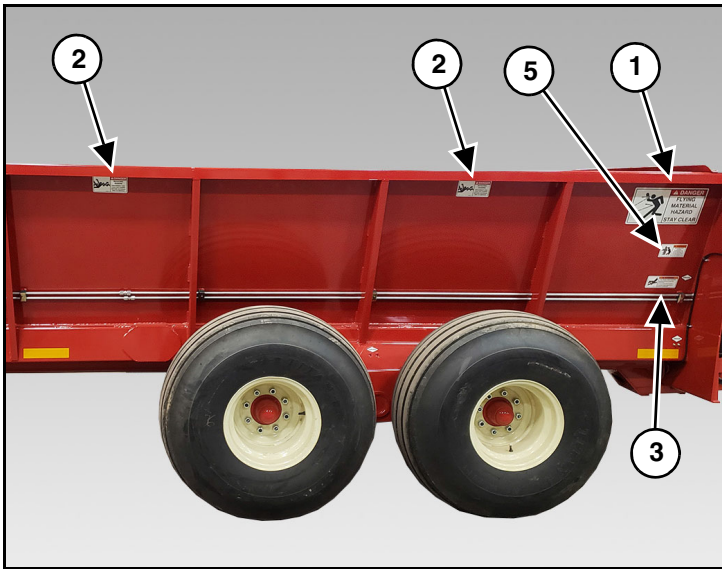
PART NO. 46-3600-9

10

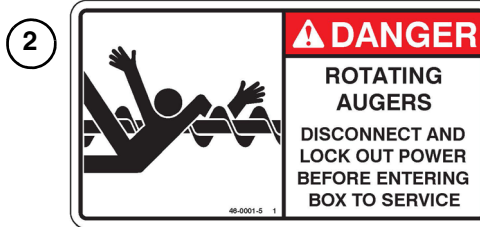


PART NO. 46-3600-2
(Located Under Shield)

LEFT SIDE OF SPREADER



PART NO. 46-7500-6



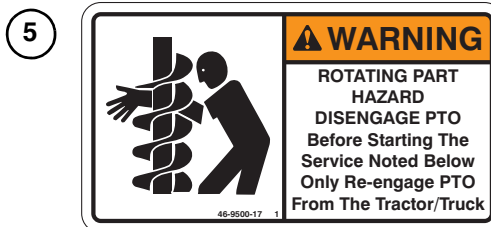
PART NO. 46-0001-5



PART NO. 46-8500-7

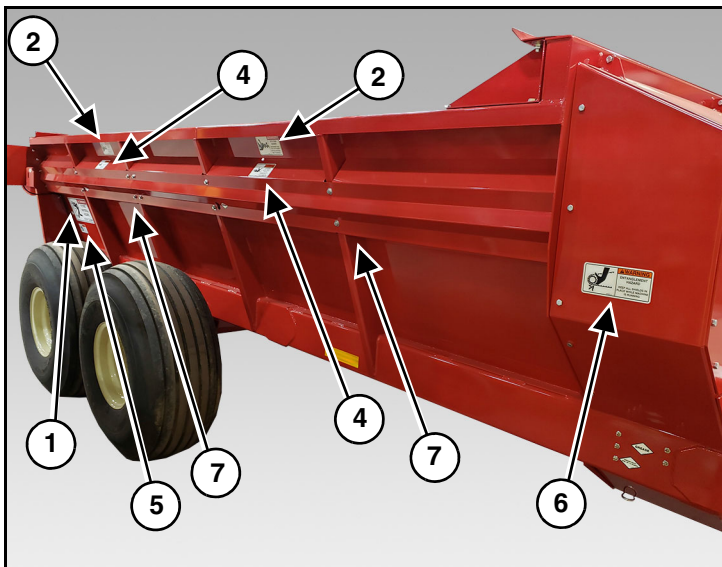


PART NO. 46-3600-9



PART NO. 46-9500-17

RIGHT SIDE OF SPREADER

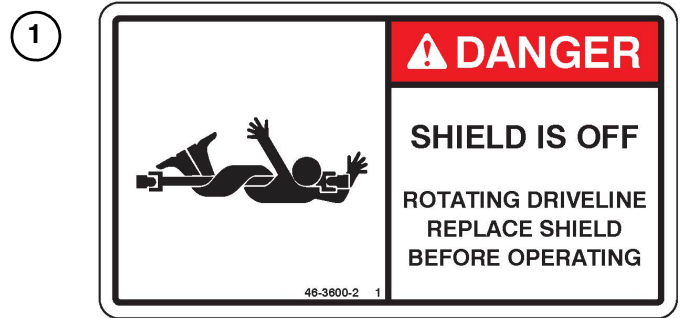
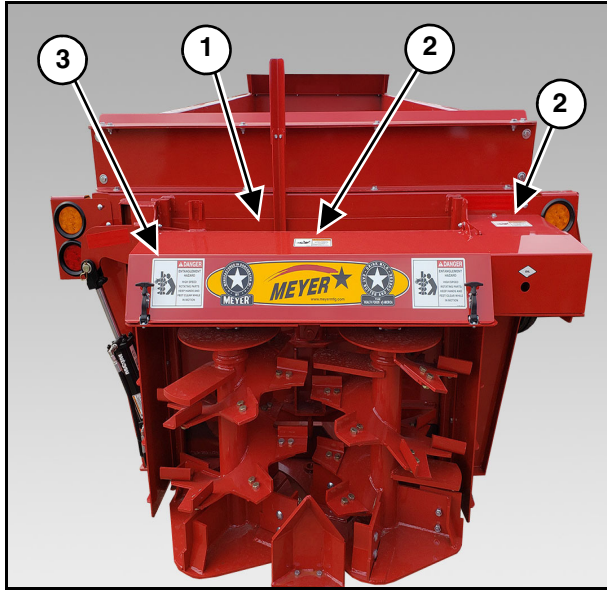


PART NO. 46-0001-4



PART NO. 46-3600-2
(Located Under Shield)

REAR OF SPREADER



PART NO. 46-3600-2
(Located Under Shield)



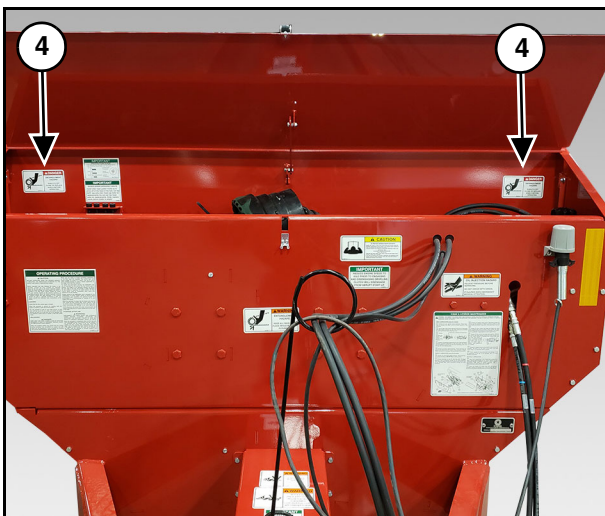
PART NO. 46-3600-9

3



PART NO. 46-0001-248

FRONT OF SPREADER UNDER ACCESS PANEL



PART NO. 46-0001-26

5.3 SHUTOFF & LOCKOUT POWER



CAUTION

Any individual that will be adjusting, servicing, maintaining, or clearing an obstruction from this machine needs to ensure that this machine stays safely “OFF” until the adjustment, service, or maintenance has been completed, or when the obstruction has been cleared, and that all guards, shields, and covers have been restored to their original position. The safety of all individuals working on or around this machine, including family members, are affected. The following procedure will be referred to throughout this manual, so be familiar with the following steps.

5.3.1 Shutoff & Lockout Power Recommendations

1. Think, Plan and Check

- a. **Think** through the entire procedure and identify all the steps that are required.
- b. **Plan** what personnel will be involved, what needs to be shut down, what guards / shields need to be removed, and how the equipment will be restarted.
- c. **Check** the machine over to verify all power sources and stored energy have been identified including engines, hydraulic and pneumatic systems, springs and accumulators, and suspended loads.

2. Communicate - Let everyone involved, including those working on or around this machine, that work is being done which involves keeping this machine safely “OFF”.

3. Power Sources

- a. **LOCKOUT** - Shut off engines and take the key, or physically lock the start/on switch or control. Disconnect any power sources which are meant to be disconnected (i.e. electrical, hydraulic, and PTO of pull-type units).
- b. **TAGOUT** - Place a tag on the machine noting the reason for the power source being tagged out and what work is being done. This is particularly important if the power source is not within your sight and/or will need to be isolated for a longer period of time.

4. Stored Energy - Neutralize all stored energy from its power source. Ensure that this machine is level, set the parking brake, and chock the wheels. Disconnect electricity, block moveable parts, release or block spring energy, release pressure from hydraulic and pneumatic lines, and lower suspended parts to a resting position.

5. Test - Do a complete test and personally double check all of the above steps to verify that all of the power sources are actually disconnected and locked out.

6. Restore Power - When the work has been completed, follow the same basic procedures, ensuring that all individuals working on or around this machine are safely clear of the machine before locks and tags are removed and power is restored.

IMPORTANT

It is important that everyone who works on this equipment is properly trained to help ensure that they are familiar with this procedure and that they follow the steps outlined above. THIS MANUAL WILL REMIND YOU WHEN TO SHUTOFF & LOCKOUT POWER.

6.0 PRE-OPERATION



CAUTION

DO NOT allow anyone to operate, service, inspect or otherwise handle this spreader until all operators have read and understand all of the instructional materials in this Operator's and Parts Manual and have been properly trained in its intended usage.

Verify that the spreader is securely fastened to the tractor / truck.

Verify that all electrical / hydraulic connections and bolts / hardware are tight and securely fastened before operating the spreader.

Always keep all shields and guards in place and securely fastened.

Keep hands, feet and clothing away.

6.1 STATIC INSPECTION



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.

Before operating the spreader for the first time and each time thereafter, check the following items:

1. Check that all safety signs are in good and legible condition.
2. Inspect the spreader for proper adjustments. (See 8.2 ADJUSTMENTS)
3. Lubricate the equipment. (See 8.1 LUBRICATION)
4. Make sure that all guards and shields are in place, secured and functioning as designed.
5. Check condition of all hydraulic components for leaks. Repair or replace as required.
6. Check the gearbox oil level. Truck mounts also check hydraulic oil reservoir level. (See 8.1 LUBRICATION)
7. Remove any twine, wire or other material that has become entangled around the rear spinners and augers.
8. Check to see that no obstructions are present in the spreader. Be sure that there are no tools laying on or in the spreader.
9. Verify that all electrical and hydraulic connections are tight and secure before operating.
10. Check that all hardware is in place and is tight.
11. Watch for any worn or cracked welds. If found, have qualified personnel replace or repair immediately.
12. Check all bearings for wear. Replace as needed.
13. 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.
14. Inspect the tires for excessive wear or damage and inflate to the recommended pressure. (See 8.3 WHEELS AND TIRES on page 43.)
15. Inspect the condition of axles, o-beams, spindles, and safety lighting. Repair or replace as required.

6.2 LIGHT HOOK-UP

Truck Mounted Models: A 4 pin electrical socket (Not Shown) is provided to connect the electrical control plug from your truck. This will operate brake, tail, turn, and clearance lights.

NOTE: Depending on make and model of the truck, it may be necessary to install a light converter. (Meyer part #56-0028). The converter allows signal lights and brake lights to operate according to DOT Lighting Standards.

6.3 HYDRAULIC HOOK-UP



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.

NOTE: The PTO horsepower and/or hydraulic requirements may not reflect adequate tractor size for towing the machine.

6.4 PTO DRIVELINE



Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.



Do not operate without PTO guard on implement and tractor. Maintain PTO drive shaft guards in good operating condition. Replace them if damaged and not turning freely. Failure to heed may result in serious personal injury or death.

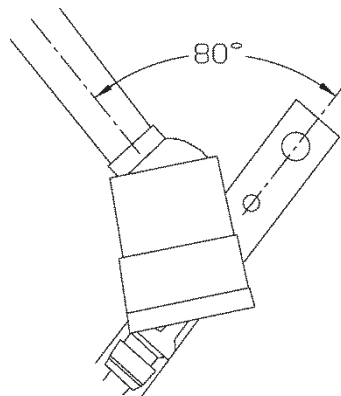
The tractor half of the PTO drive shaft assembly must be locked securely to the tractor output shaft and the implement half of the PTO drive shaft assembly must be locked securely to the SXR / SXL driveline.

See your PTO Installation, Service, and Safety Instruction Manual for additional PTO details. For a replacement manual, call the factory at 1-800-325-9103.

See your ADMA Safety Manual for further safety situations and precautions that you should familiarize yourself and those that may be operating this equipment. For a replacement manual, call the factory at 1-800-325-9103.

IMPORTANT

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.



6.5 TRACTOR DRAWBAR SETUP

This spreader can be purchased as either 540 RPM or 1000 RPM Model. Do not operate 540 RPM implements at 1000 RPM or 1000 RPM implements at 540 RPM. No PTO adapter may be used to alter speed or geometry. The hitch of the spreader is designed for a standard tractor drawbar.

Set your tractor drawbar to conform to the standard dimensions as shown, Figure 1. This will ensure that the PTO drive shaft will not be over extended.

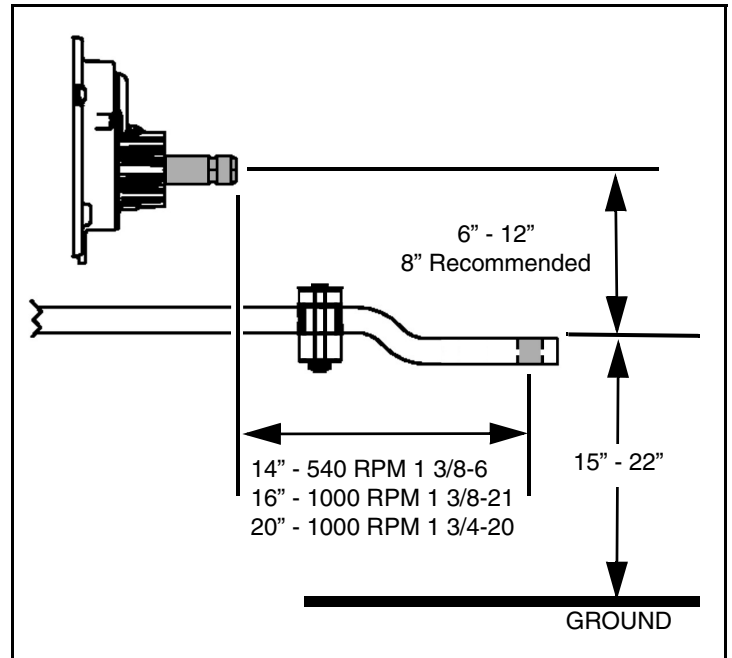


FIGURE 1. TRACTOR DRAWBAR & PTO SPECIFICATION

An improperly located hitch point may cause damage to the universal joints of the PTO drive shaft. Conforming to the standard 14, 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 (A) AND MAXIMUM (B) TRAVEL DIMENSIONS AS SHOWN, FIGURE 2.

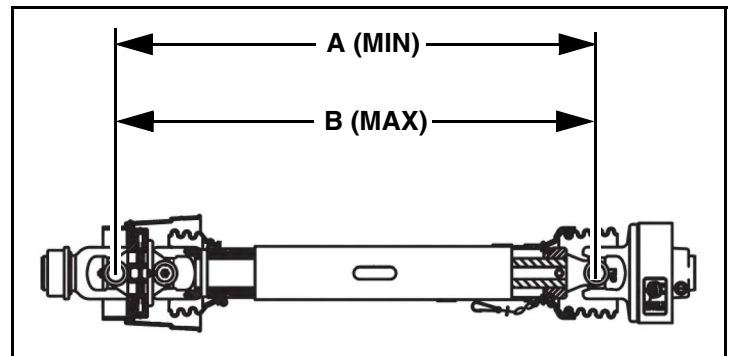


FIGURE 2. PTO DRIVELINE

PTO PART NUMBER	A	B
918-0513 (540 RPM)	40.16	54.84
918-0514 (1000 RPM)	40.16	54.84

6.6 HITCHING TO TRACTOR

Move to the operator's position, start the engine and release the parking brake.



Do not allow anyone to stand between the tongue or hitch and the tractor when backing up to the spreader.

Move the tractor in front of the spreader. Slowly move the tractor backwards towards the spreader and align the drawbar with the implement's hitch.

NOTE: Lower or raise the spreader jack to properly align the drawbar and hitch.

Fasten the spreader hitch to the tractor drawbar with a properly sized hitch pin with safety retainer. (Reference ANSI/ASABE AD6489-3 Agricultural vehicles - Mechanical connections between towed and towing vehicles - Part 3: Tractor drawbar.) (See your Trailer / Chassis manual for further details.)

Before operation and after hitching the tractor to the implement, connect the hydraulic hoses, light cord and 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. Move the tractor hydraulic controls to observe proper gate operation. Connect any optional equipment as needed.

NOTE: If the controls operate the rear gate in the opposite direction to what you expect, reverse the hydraulic hose connections at the tractor.

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

6.7 START-UP AND SHUT-DOWN



DO NOT allow anyone to operate, service, inspect or otherwise handle this spreader until all operators have read and understand all of the instructional materials in this Operator's And Parts Manual and have been properly trained in its intended usage.

Before operating the spreader, look in all directions and make sure no bystanders, especially small children are in the work area.



Disengage the hydraulic power, engage the machine's parking brake, stop the engine and make sure all moving components are completely stopped before connecting, disconnecting, adjusting or cleaning this equipment.

Always keep all shields and guards in place and securely fastened.

Keep hands, feet and clothing away.

6.7.1 Start-Up

Enter the tractor or truck and start the engine.

Slowly engage the PTO at idle speed.

Increase to full engine RPM.

6.7.2 Shut-Down

Disengage the PTO.

Park the tractor / truck on a flat, level surface.

Engage the parking brake, stop the engine and exit the tractor or truck.

6.8 OPERATIONAL CHECKS



CAUTION

Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

DO NOT allow anyone to operate, service, inspect or otherwise handle this spreader until all operators have read and understand all of the instructional materials in this Operator's And Parts Manual and have been properly trained in its intended usage.

Before operating the spreader, look in all directions and make sure no bystanders, especially small children are in the work area.



WARNING

Always keep all shields and guards in place and securely fastened. Keep hands, feet and clothing away.



DANGER

Make certain all personnel are clear of the spreader and the rotating spinners or beaters before applying power. Failure to heed may result in serious personal injury or death.

Before running material through the spreader for the first time and each time thereafter, follow the steps listed below.

1. Make sure spreader is empty.
2. Follow the Start-Up procedure section 6.7.1.
3. Raise and lower the gate a couple times.
4. Operate the spreader for approximately 5-10 minutes.
5. Follow the Shut-Down procedure section 6.7.2.
6. Check drive components to be sure components are not abnormally hot.
7. Check all hydraulic components for leaks.
8. Adjust and lubricate equipment as needed. (See 8.1 LUBRICATION) & (See 8.2 ADJUSTMENTS).

NOTE: Check that the automatic chain oiler reservoir is full of clean oil.

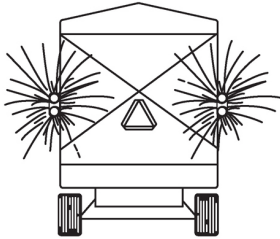
6.9 TRANSPORTING

CAUTION

AVOID SERIOUS INJURY OR DEATH

- Read and understand owner's manual before using. Review safety precautions annually.
- Before operating the spreader, look in all directions and make sure no bystanders, especially small children are in the work area.
- No riders allowed when transporting.
- Do not drink and drive.
- Before moving, be sure required lights and reflectors are installed and working.
- Before maintenance or repair, stop vehicle, set parking brake, and remove ignition key.
- Place safety stands under frame and chock wheels before working on tires or chassis.
- Maintain wheel bolts at torque as recommended in the manual.
- If equipped with brakes, maintain proper adjustment.

CAUTION



Pull-Type Units

- Use flashing warning lights when transporting on ALL highways (public roadways) at ALL times (Tractor towed models) EXCEPT WHEN PROHIBITED BY LAW! (Check w/local law enforcement).
- By all state and federal laws, implement lights do not replace the SMV (Slow-Moving Vehicle) identification emblem. All towed agricultural vehicles must display SMV emblems when traveling LESS than 20 mph (32 kph).
- Check for traffic constantly. Be sure you can see that no one is attempting to pass you and that all traffic is sufficiently clear from you before making any turns.
- Securely attach to towing unit. Use a high strength appropriately sized hitch pin with mechanical retainer and attach safety chain.
- Do not exceed 20 mph (32 kph). Slow down for corners and rough terrain.

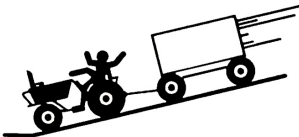
WARNING



To Prevent Serious Injury Or Death

- Keeps hands and body out of the hitch area when attaching towing vehicle.
- Keep body clear of crush point between towing vehicle and load.

WARNING



To Prevent Serious Injury Or Death

- Shift to lower gear before going down steep grades.
- Avoid traveling on slopes or hills that are unsafe.
- Keep towing vehicle in gear at all times.
- Never exceed a safe travel speed (which may be less than 20 MPH.).

WARNING

You must observe all applicable traffic laws when transporting on public roadways. Check local laws for all highway lighting and marking requirements. Failure to heed may result in serious personal injury or death.

WARNING

(Tractor Powered) Do not tow at speeds in excess of 20 mph. Failure to heed may result in serious personal injury or death.

IMPORTANT

Verify that the rear discharge door is in the closed position before traveling on roadways.

IMPORTANT

If you will travel on public roads and it is legal to do so, you must know all rules governing such operation. This will include lighting and brake requirements in addition to traffic rules.

NOTE: An optional highway lighting package is available to assist in meeting these requirements. See your Meyer dealer for details.

6.9.1 Safety Chain

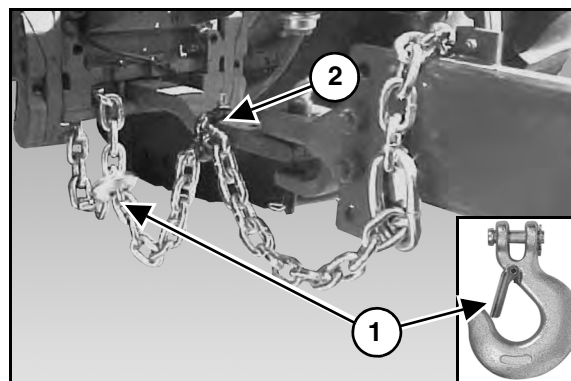
WARNING

A safety chain must be installed to retain the connection between the tractor (or other towing vehicle) and implement whenever traveling on public roads in case the hitch connection would separate.

The chain must be of adequate size to hold the weight of the loaded spreader.

NOTE: If using a grab hook at the end(s) of the chain to secure the chain to itself, a hook latch (Item 1) must be installed.

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.



NOTE: Do not use the intermediate support (Item 2) as the attaching point.

IMPORTANT

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

6.9.2 Tractor Towing Size Requirements

Use the following charts to help calculate the minimum tractor weight when towing without implement brakes. The minimum tractor weight, up to 20 mph (33 kph) needs to be two thirds of the box Gross Weight (GW). Gross Weight is calculated by the empty weight of the box and undercarriage combined added to the Load Weight. Then take the Gross Weight and multiply it by 0.667 and you will get the Minimum Required Weight of the Tractor.

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)
SXL2636 (Single Axle)	16,900	11,300
SXL2636 (Tandem Axle)	25,840	17,230
SXL3954	33,720	22,495
SXR400	26,210	17,475
SXR500	33,220	22,160

7.0 OPERATION



DO NOT allow anyone to operate, service, inspect or otherwise handle this spreader until all operators have read and understand all of the instructional materials in this Operator's and Parts Manual and have been properly trained in its intended usage.

Before operating the spreader, look in all directions and make sure no bystanders, especially small children are in the work area.

Do not climb or step on any part of the spreader at any time.

Turn on level ground. Slow down when turning.

Go up and down slopes, not across them.

Keep the heavy end of the machine uphill.

Do not overload the machine.

Check for adequate traction.



7.1 LOADING



Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

IMPORTANT

Do not use the jack except when the implement is empty. The jack will not support added weight. Unbalanced weight may result in unexpected "TIP UP" of the implement.

IMPORTANT

Overloading may cause failure of axles, tires, structural members, hitches, loss of vehicle control. DO NOT exceed maximum gross weight.

IMPORTANT

This machine is not intended to be a bale grinder, hay chopper or bedding machine. Failure to comply may damage the drivetrain and void the warranty.

IMPORTANT

Filling the spreader evenly from the front to rear will ensure there is downward force on the tractor hitch and provide traction for the tractor wheels.

IMPORTANT

It is unlawful to allow manure to splash or leak onto public roads.

NOTE: Heaping material over the sides of the box will add a significant amount of weight to the load.

NOTE: To prevent damage to spinners and drivelines, 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 rear gate moves freely up and down.

When the spreader is parked for loading, shift the tractor to neutral or park and set the brakes.

NOTE: Check and be sure that the rear end gate is completely closed before loading. This gate must be closed during loading to prevent packing of material into the beaters and to help prevent leakage during transport.

MATERIAL ESTIMATED WEIGHT PER CUBIC FOOT	
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.
SAE D384.2	

NOTE: Maximum Gross Weight is the lesser value between the implement or tires.

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.

MODEL	MAXIMUM SPREADER GROSS WEIGHT	TOTAL NET WEIGHT (LBS)	CU. FT. CAPACITY**	CAPACITY IN GALLONS
SXL2636 (Single Axle)	16,900	6,900	181	1,355
SXL2636 (Tandem Axle)	25,840	7,840	181	1,355
SXL3954	33,720	9,720	272	2,033
SXR400	26,210	8,210	250	1,870
SXR500	33,220	9,220	324	2,433

** Struck capacity, heaped loads significantly increase weight.

Drive alongside the loading vehicle. Fill the spreader evenly to properly distribute the load while loading. When filling the spreader with an end-loader, center the bucket just forward of the axle to properly distribute the load while loading. A hydraulic lid is available for some models to aid in the containment of liquids.

7.2 UNLOADING



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.



The unloading process described is to be performed by the operator alone. This will eliminate unexpected “start-ups” and minimize other hazards that could result from more than one person in control.



Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

NOTE: Unloading is best observed from the operator's seat.

1. Move the tractor / truck and spreader to the unloading area.
2. When you are ready to begin spreading application on the field, open the 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.

For liquid and semi-liquid manure, the rear gate can limit the application rate by how far it 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 rear gate **MUST be completely open** since this material is not free flowing.

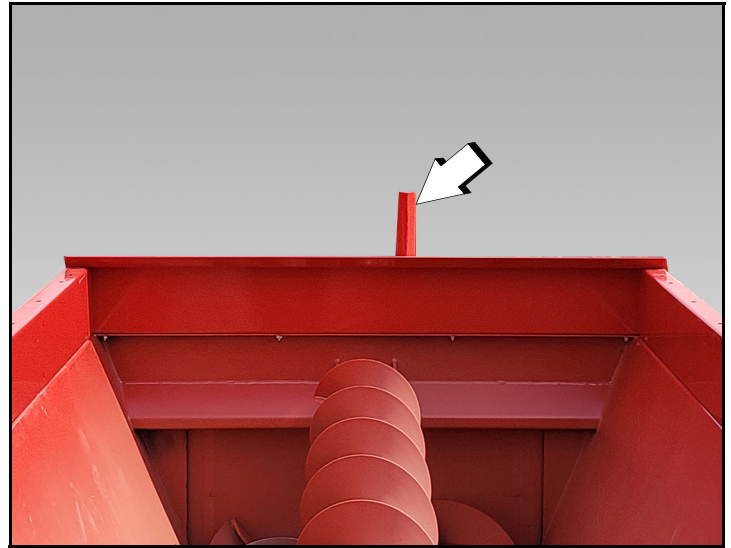
The rear spinners have been designed and tested to provide the best spread pattern for most liquids and semi solid manure. However, the pattern will vary for each specific condition. The factors that contribute most to differing patterns and widths will be moisture content and the amount and length of bedding material. For most typical conditions, the spread pattern should be uniform and about 25-35 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.

3. When the spreader is empty, idle the tractor and stop the PTO.
4. Close the 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.



**SXL2636/SXL3954/SXR400
FLOW CONTROL GATE INDICATOR**



**SXR500
FLOW CONTROL GATE INDICATOR**

7.2.1 PTO Cut-out Clutch

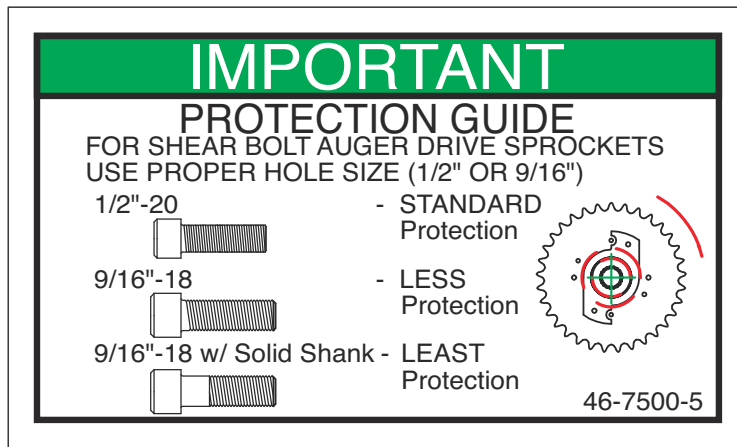
Spreaders are equipped with a cutout type clutch on the implement half of the PTO driveline. The clutch is designed to limit the amount of torque transferred to the machine through the driveline. If excessive torque is developed the clutch will disengage. A loud ratcheting sound will be heard and the transfer of power to the machine will be disrupted. To re-engage the machine, turn the PTO to off 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 startup is done in an abrupt or reckless manner. It will also disengage from foreign materials entering the expeller area of the spreader. If PTO clutch fails to re-engage it will be necessary to remove the foreign object from the spreader before restarting.

7.3 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 1/2" diameter. 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
831-5020-1.75	1/2"-20 x 1-3/4" Allen Head Cap Bolt
884-5020	1/2"-20 Top Lock Nut Grade 8
831-5618-1.75	9/16"-18 x 1-3/4" Allen Head Cap Bolt
831-5618-1.50-SL	9/16"-18 x 1-1/2" Allen Head Cap Bolt With Shank
884-5618	9/16"-18 Top Lock Nut Grade 8
910-0101	120B33 Shear Sprocket Assembly Complete

7.4 FREEZING WEATHER OPERATION

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

Scrape clean any remaining debris from inside the rear of the spreader.(Augers, Rear Gate, & 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 rear gate up and down to clean the gate slides. Park the spreader with the gate halfway open.

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



CAUTION

Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

7.5 UNHOOKING THE TRACTOR

1. Park the implement on level ground. Put the tractor controls in neutral, set the parking brake, and turn the engine off before dismounting.
2. Place wheel chocks in front and in back of the implement wheels on opposite sides to prevent the implement from rolling after the tractor is unhooked.
3. Remove the hydraulic hose ends from the tractor hydraulic ports and secure the hose ends on the front of the spreader to keep them clean.
4. Remove the light cords and any optional equipment connections.
5. Remove the PTO drive shaft yoke from the spline of the tractor PTO shaft and store in the provided support bracket.
6. Remove the jack from the storage mount and install it on the hitch tongue. Crank the jack down until the hitch lifts off the tractor draw bar.



WARNING

Jack is not designed to support the implement when it is loaded.

7. Remove the hitch pin.
8. Unhook safety chain from tractor drawbar and intermediate support.
9. Slowly drive the tractor away from the implement.



8.0 MAINTENANCE

8.1 LUBRICATION



CAUTION

Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

IMPORTANT

Fluid such as hydraulic fluid, grease, etc., must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks on the ground must be cleaned in a specific manner. See local, state and federal regulations for the correct disposal.

IMPORTANT

Failure to grease the CV center housing and telescoping members will reduce the life of the CV joint.

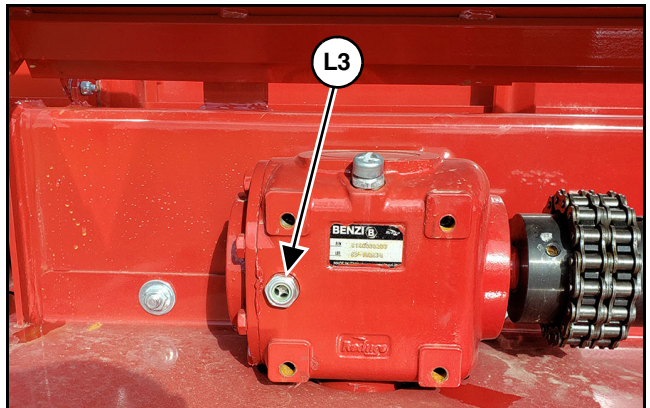
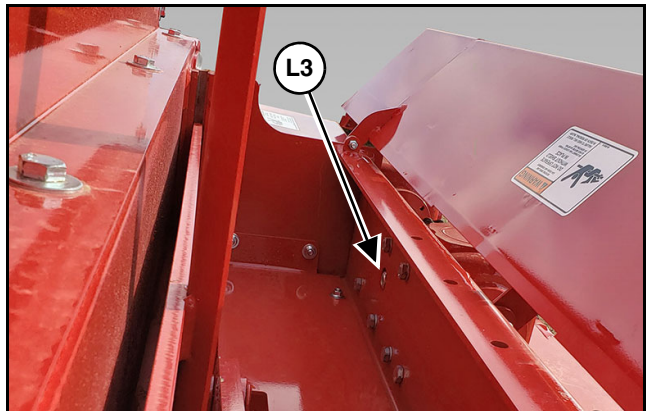
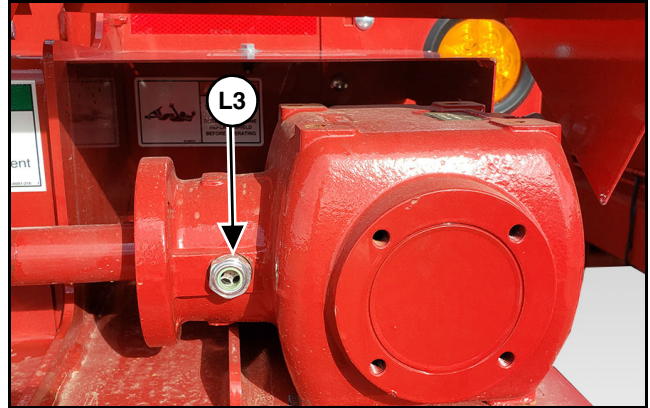
NOTE: Use a grease type that is composed of a high quality lithium complex or better, unless otherwise stated. We recommend using a #1 grade in colder temperatures or a #2 grade in warmer temperatures.

8.1.1 Daily Lubrication (every 8-12 loads)

L1 Grease (2) auger shaft bushings. The bushings are grease line fitted to the lower zerks on the front left and right frame channels of the spreader. Grease minimum of 10 pumps. Over greasing is not possible.

L2 Keep oil reservoir full with new 30 weight oil for chain lubrication. The automatic chain oiler will lubricate the chains automatically every time the rear gate cylinder is activated. The oil reservoir is accessible by opening the front shield.

L3 Maintain the lube level in the (3) gearboxes at 1/2 full using each gearbox's sight glass. Check regularly for any observable leakage. If leakage is found, replace required input/output shaft seals. Lubricate with Synthetic EP Gear ISO220 oil, capacity approximately 47.3 oz.



8.1.2 Weekly Lubrication (every 25-30 loads)

IMPORTANT

Check regularly for any lubricant leakage of the (3) gearboxes at rear of the spreader. See L16 under Monthly Lubrication.

(L4) Grease (2) rear spinner lower bearings with approximately 2 pumps of grease. The bearings are grease line fitted to the left rear frame channel of the spreader.

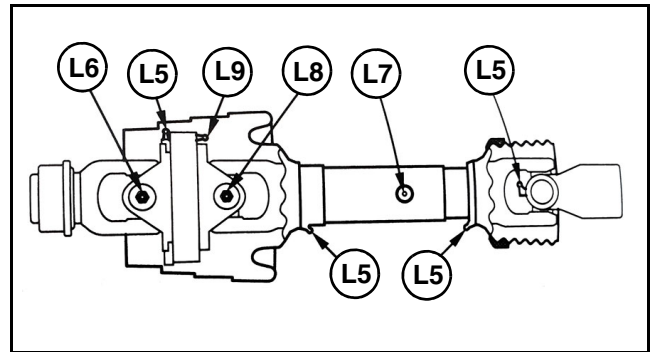
(L5) Grease PTO (4) places every 8 hours.

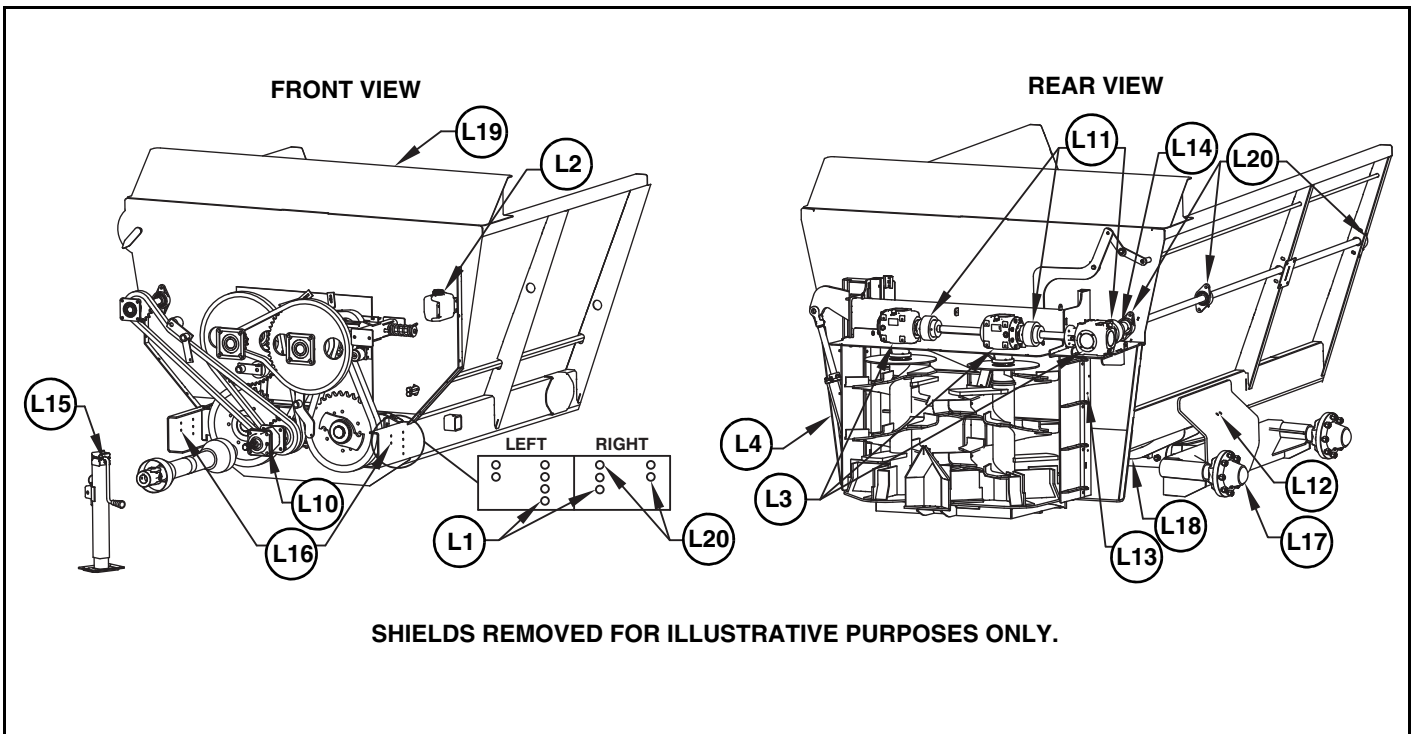
(L6) Lubricate the outer CV cross kit with about 5 pumps of grease every 8 hours.

(L7) Grease telescoping members until it adequately covers the sliding members every 8 hours. Take apart occasionally to make sure adequate lubrication is being added. Take apart each season to be cleaned with solvent and re-coated with grease before re-assembling.

(L8) Lubricate the inner CV cross kit with about 15 pumps of grease every 8 hours.

(L9) Lubricate the double yoke with about 10 pumps of grease every 8 hours.





- (L10) Grease PTO input shaft bearing. The bearing zerk is accessible through the PTO shield of the spreader.
- (L11) Lubricate (3) chain couplers on the rear drive with new 30 weight oil. The couplers are accessible by opening the rear shield.
- (L12) Grease (4) places on tandem o-beams. Effectively grease by jacking up the spreader to relieve pressure points on the pivot shaft. Over greasing is not possible.
- (L13) Grease (2) rear gate slide guides. Grease the zerk located on each side of the gate slides with the rear gate in the closed position. Grease 4-6 pumps on each side and run the gate up and down several times. Repeat the greasing until the gate slides are heavily lubricated. In freezing weather, dump used motor oil down each slide guide once a week or more often as needed. Over greasing is not possible.
- (L14) Grease overrunning clutch at the rear of the side shaft. The zerk is on the yoke of the clutch.

8.1.3 Monthly Lubrication

- (L15) Grease jack gears through the grease zerk located on the top of the jack, behind the handle.
- (L16) Grease (7) bearings supporting the front drive not covered by key numbers L1 and L20 with 1 pump of grease. The zerks are accessible by the right front side and left front side grease banks of the spreader. Be careful not to over grease.
- (L17) Grease (4) wheel hubs through the grease zerk. The hub from the factory has the bearings packed, but the hub is not fully loaded with grease. Be careful not to over grease and force the seal out of the back side of the hub. Clean and repack the hubs with axle grease annually.
- (L18) Grease t-post zerks under the rear center of the spreader. Over greasing is not possible.
- (L19) Maintain the oil level in 3rd auger oil bath at the upper plug located on the side of the oil bath enclosure with 80-90 weight gear lube oil or equivalent. Check regularly for any observable leakage.
- (L20) Grease bearings on the right hand side shaft with 1 pump of grease. The first and second bearings are grease line fitted to the front right frame channel. The remaining rear bearings are located along the right side of the spreader tank. The zerks are accessible through the shielding. Be careful not to over grease.

8.1.4 Automatic Chain Oiler



Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.



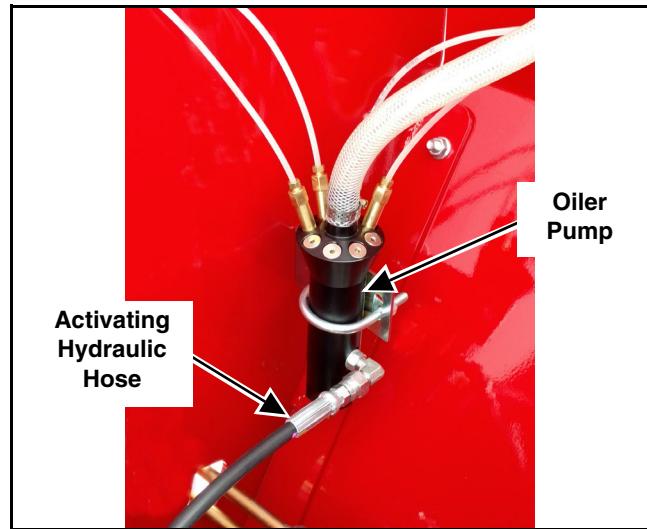
Hydraulic fluid escaping under pressure can have sufficient force to cause injury. Keep all hoses and connections in good serviceable condition. Failure to heed may result in serious personal injury or death.

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.

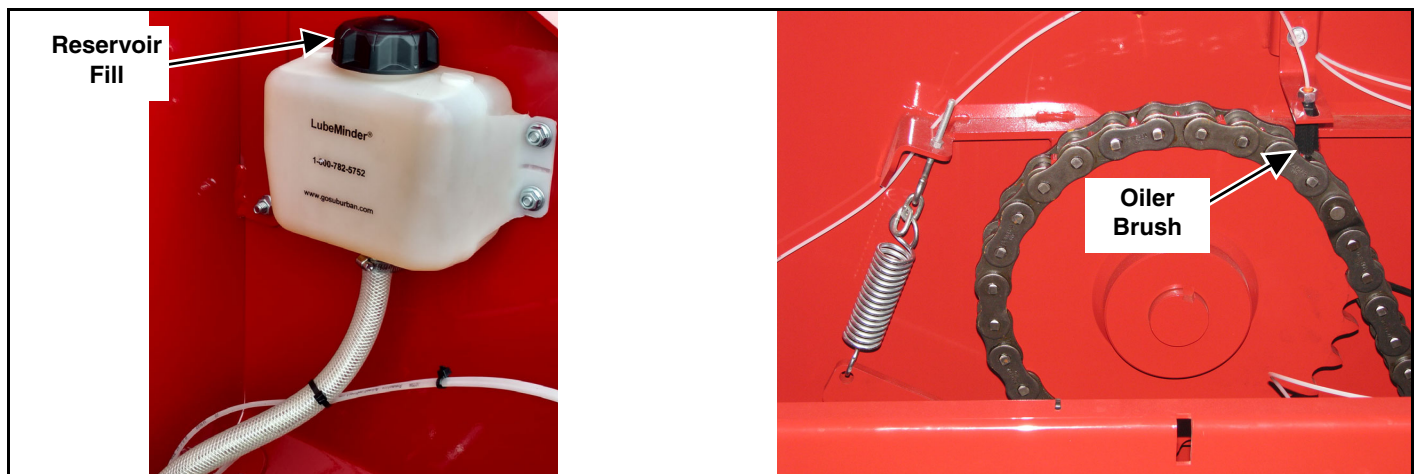
IMPORTANT

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.



8.2 ADJUSTMENTS



Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

8.2.1 Front Drive Roller Chains

There are five 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 tensioners (as needed) by turning locknuts on all tensioning bolt/idler assemblies. Proper roller chain tension is when gap between spring coils measures 1/8" to 3/16". Regularly re-check all roller chain tensions. Keep all roller chains tight at all times!

8.2.2 Balance of Spinners

Review the rear spinners to make sure all paddles are in place and securely fastened. The loss of a paddle or tooth can cause the spinner to be unbalanced, causing damage such as premature bearing failure and cracking to occur to the frame of the spreader. If the spinners are out of balance do not operate until corrective action has been taken.

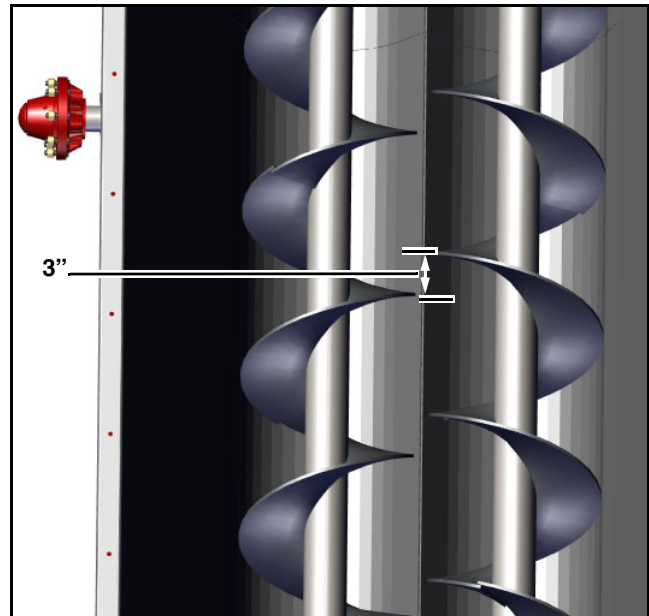
8.2.3 Auger Timing

Whenever the front chain is disconnected to one of the bottom augers or the shear bolts have been sheared, the augers should be clocked so there is a 3" gap between flighting.

8.2.4 PTO Cutout Clutch Connection

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 x 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 1/2 turn. Insert a 1/4" 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 1/4 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.

8.2.5 Wheel Bearing Preload

1. Chock all four wheels or hitch to tractor with engine off, key removed and parking brake set. Jack empty trailer off ground and support with adequate jack stands.
2. Push back and forth on each wheel assembly. If play is detected, bearings need adjusting.
3. If adjusting bearings, it is suggested the bearings be repacked as described previously.
4. Remove hub cap and remove cotter pin from spindle nut.

5. Tighten spindle nut to remove all play. It should be snug and slight drag can be felt while rotating the wheel.
6. If the cotter pin hole in the spindle does not line up with the notch in spindle nut, back off the spindle nut only enough to line up. Reinstall cotter pin. If cotter pin is damaged, replace it.
7. Replace hub cap and lower wheel to the ground.

8.3 WHEELS AND TIRES

8.3.1 Wheel Installation



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.

- Clean adjoining surfaces.
- Start nuts to bring wheel flush to hub mounting surface.
- Avoid wheel binding on hub.
- Install remaining wheel nuts. Torque to 50 ft-lbs, then re-torque to required full torque (See section 8.4.2 Wheel Torque).
- Re-torque wheel nuts after 50-100 miles.
- Check wheel nut torque every 10,000 miles and re-torque as necessary.

8.3.2 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

8.3.3 Tire Inflation

TIRE SIZE	PSI
21.5L-16.1	44
28L-26	28
425/65 x 22.5	75
550/45 x 22.5	58
600/50 x 22.5	70

If tires are to operate for any length of time on roads or other hard surfaces and the draft load is not great, it is advisable to increase the pressure in the tire to the maximum recommendation in order to reduce the movement of the tread bars that causes excessive wiping action.

Inflation pressures should be checked at least every week. Recommended inflation pressures based on total load on tires should be used. For accurate inflation use a special low-pressure gauge with one-pound gradations. Gauges should be checked occasionally for accuracy. Always use sealing valve caps to prevent loss of air.

8.3.4 Implement Tires

Agricultural tires are designed to carry a specified load at a specified inflation pressure when mounted on a specified width rim. When these conditions are met, the deflection of the tire carcass is in the optimum range and maximum tire performance can be expected. If this combination of design factors is altered for any reason, tire performance will be reduced.

Tire Overload or Under Inflation

Tire overload or under inflation have the same effect of over-deflecting the tire. Under such conditions the tread on the tire will wear rapidly and unevenly, particularly in the shoulder area. Radial cracking in the upper sidewall area will be a problem. With under inflated drive tires in high torque applications sidewall buckles will develop leading to carcass breaks in the sidewall. While an under inflated drive tire may pull better in some soil conditions, this is not generally true and not worth the high risk of tire damage that such an operation invites.

Over Inflation

Over inflation results in an under-deflected tire carcass. The tread is more rounded, concentrates tread wear at the centerline area. Traction is reduced in high torque service because ground contact of the tread shoulder area is reduced and the harder carcass, with reduced flexing characteristics, does not work as efficiently. The tightly stretched overinflated carcass is more subject to weather checking and impact break damage.

Pressure Adjustments Required - Slow Speed Operation

Higher tire loads are approved for intermittent service operations at reduced speed. Under such conditions inflation pressure must be increased to reduce tire deflection and assure full tire service life. See Section 8.3.3 Tire Inflation for proper inflation.

Use of Proper Width Rims

If tires are mounted on rims of incorrect width, the following conditions can result:

- Use of a wider rim results in flattening of the tread face. This feature may improve traction in loose soil conditions. In hard soils, however, the flatter tread penetrates less effectively and tractive effort is reduced. Additional stresses concentrated in the shoulder area tend to increase the rate of shoulder tread wear. By spacing the tire beads farther apart the sidewalls are forced to flex in an area lower than normal and this can result in circumferential carcass breaks and/or separation.
- Use of a narrower rim brings potential mounting problems because the rim shield or flange cover molded into most drive tire designs tend to interfere with the seating of the tire beads on a narrow rim. Once mounted on a narrow rim, the tire shield applies undue pressure on the rim flange, with possible tire sidewall separation or premature rim failure at the heel radius. On a narrow rim the tread of the tire is rounded. As with the over-inflated tire tread wear will be concentrated in the center area of the tread and traction in the field will be reduced.

Roading Of Farm Implement Tires

- Tractor tires operate most of the time in field conditions where the lugs can penetrate the soil, and where all portions of the tread make contact with the ground. In operating on hard roads with low inflation pressure there is an undesirable distortion of the tire during which the tread bars squirm excessively while going under and coming out from under the load. On highly abrasive or hard surfaces, this action wipes off the rubber of the tread bars or lugs and wears them down prematurely and irregularly.
- Farm tractor and implement tires are designed for low-speed operations not exceeding 25 miles per hour. If tractors or implements are towed at high speeds on the highway high temperatures may develop under the tread bars and weaken the rubber material and cord fabric. There may be no visible evidence of damage at the time. Later a premature failure occurs which experience shows was started by the overheated condition that developed when the unit was towed at a high speed.

Care And Storage Of Tractor And Implement Tires

- All tires should be stored indoors in a cool, dark, dry area free from drafts. Both heat and light are sources of oxidation on the tire surfaces - a result of which is crazing and weather checking. Tires should never be stored on oily floors or otherwise in contact with solvents, oil or grease. Further, tires should not be stored in the same area with volatile solvents. Such solvents are readily absorbed by rubber and will damage and weaken it.
- Tires should be stored away from electric motors, generators, arc welders, etc. since these are active sources of ozone. Ozone attacks rubber - to cause crazing and weather checking.
- Unmounted tires should be stored vertically on tread. If stored for an extended period, tires should be rotated periodically to reduce stress concentrations in the area of ground contact. Tires should not be stored flat and "stove piped" as they will become squashed and distorted, making mounting on the rim difficult - particularly for tubeless tires.
- Inflated tires mounted on rims should be stored under conditions noted above, with inflation pressure reduced to 10 PSI.

8.4 STORING THE SPREADER

LOCKOUT / TAGOUT the machine / spreader when preparing for storage. (See 5.3 SHUTOFF & LOCKOUT POWER on page 20.)

Sometimes it may be necessary to store your Meyer spreader for an extended period of time. Below is a list of items to perform before storage.

- Fully empty the material from the spreader. (See 7.0 OPERATION on page 29.)
- Thoroughly clean the equipment.
- Lubricate the equipment. (See 8.1 LUBRICATION on page 35.)
- Apply oil to the rear gate and inspect all spreader components for wear or damage. Repair and replace components as necessary.
- Make appropriate adjustments to equipment. (See 8.2 ADJUSTMENTS on page 42.)
- Place hydraulic hoses and 7-pin connector in the storage brackets (if equipped).
- Inspect the hitch and all welds on the equipment for wear and damage.
- Check for loose hardware, missing guards, or damaged parts.
- Check for damaged or missing safety signs (decals); replace if necessary.
- Replace worn or damaged parts.
- Touch up all paint nicks and scratches to prevent rusting.
- Place the equipment in a dry protected shelter.
- Place the equipment flat on the ground.

8.5 RETURNING THE SPREADER TO SERVICE

After the Meyer spreader has been in storage, it is necessary to follow a list of items to return the equipment to service.

- Be sure all shields and guards are in place.
- Lubricate the equipment.
- Truck Mount: Operate the truck and equipment; verify all functions operate correctly.
- Connect to a tractor (if required) and operate equipment; verify all functions operate correctly.
- Check for leaks; repair as needed.



9.0 PARTS REPAIR AND REPLACEMENT

9.1 REPLACEMENT PARTS



WARNING

Before servicing this equipment, ensure that all personnel, including family members are familiar with the equipment and the safety hazards that are present, along with the safety practices that should be observed while working in this equipment.



CAUTION

Inspect the axles, o-beams, spindles, tires, hitches and all safety shielding, safety signs and safety lighting regularly. These parts if not watched closely, could pose potential injury or death. If any part is found in need of repair, follow the SHUTOFF & LOCKOUT POWER recommendations and have qualified personnel repair immediately.

Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

IMPORTANT

It is important that everyone who works on this equipment is properly trained to help ensure that they are familiar with this procedure and that they follow the steps outlined above. This manual will remind you when to Shutoff & Lockout Power.

At times, parts on this implement will become worn or damaged. Performing repairs on this implement 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.



WARNING

Crushing Hazard

Do Not work under suspended or blocked parts.



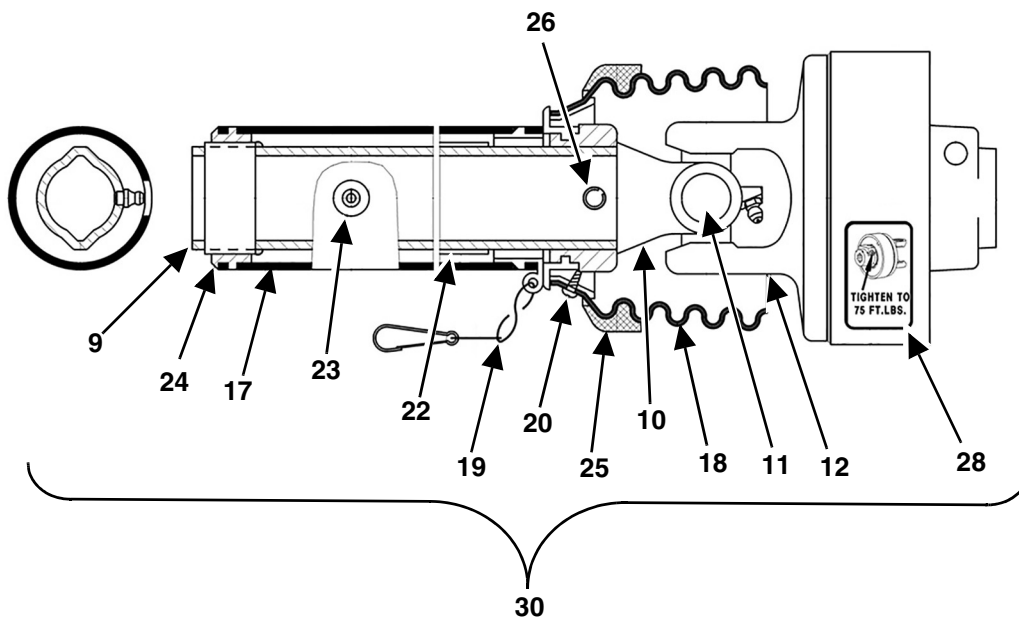
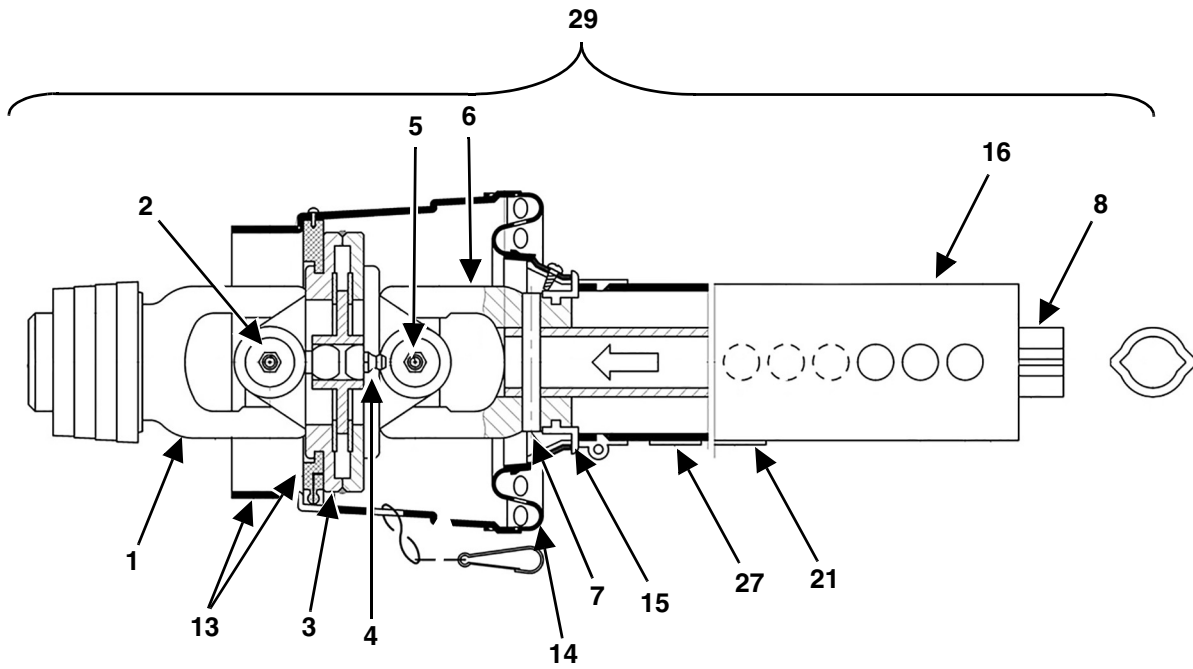
- The use of hoists and/or supports may be needed to handle heavy components.
- If the implement is being repaired in the field, make sure the parking brake of the tractor is engaged, the implement is on solid and level ground.
- Welding and torching should be done by properly trained individuals who have proven their skills.

IMPORTANT

Call the factory for any additional details you may need to perform the repair. Some parts may come with instruction sheets to assist in the repair. Instructions sheets may be provided with your parts order. Otherwise, if available, instruction sheets can be e-mailed or faxed for your convenience. Call Meyer Manufacturing Corporation toll free at 1-800-325-9103 or email parts@meyermfg.com.

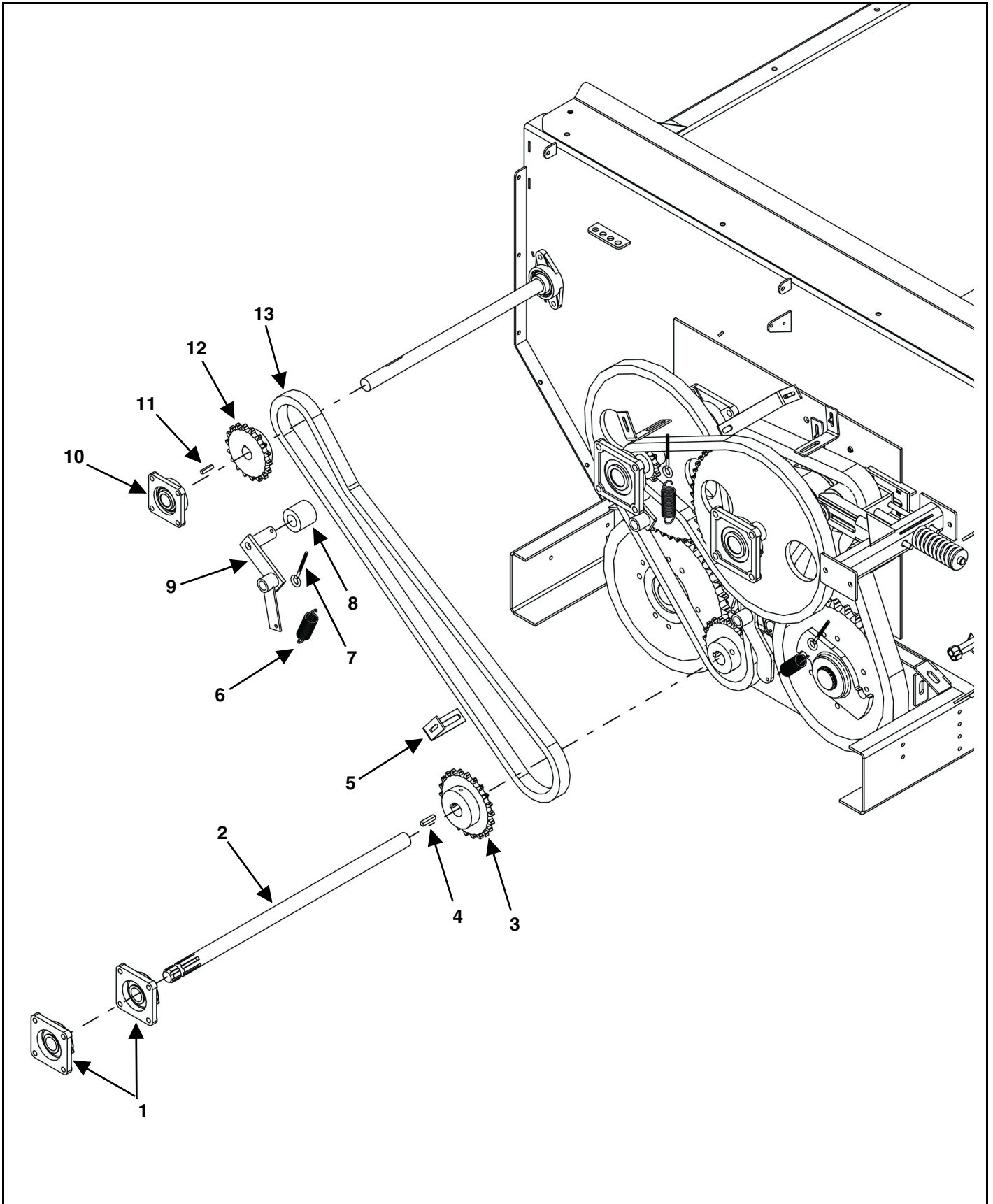
NOTE: Be environmentally friendly and dispose of any waste materials properly. Recycle when appropriate.

PTO DRIVE SHAFT



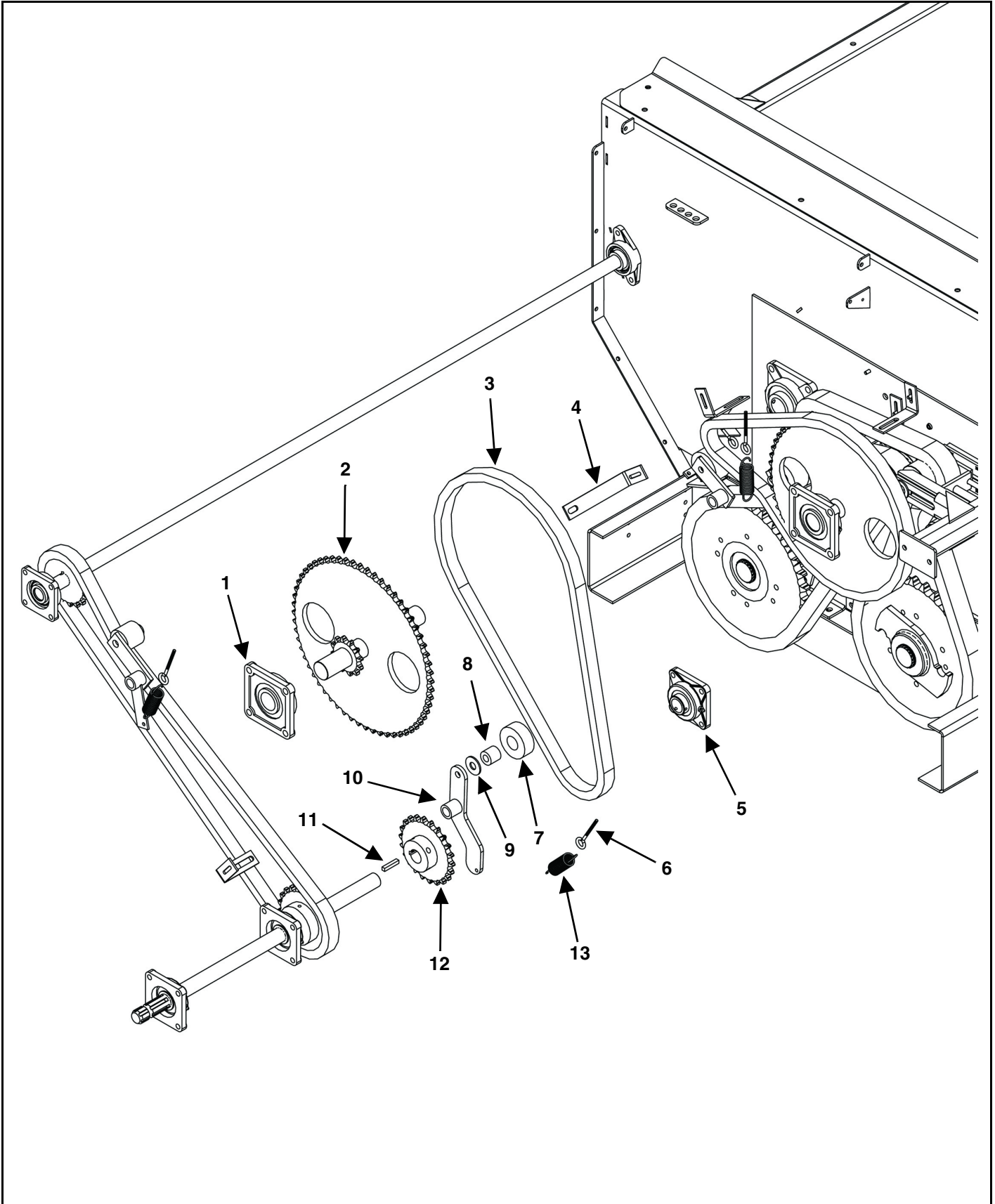
KEY	PART NUMBER	QTY	DESCRIPTION
0	918-0513	1	540 RPM Primary CV Driveline
	918-0514	1	1000 RPM Primary CV Driveline
1	918-0212-1-1	1	Yoke (540 RPM)
	918-0208-1-1	1	Yoke (1000 RPM)
2	918-0212-1-2	1	Cross & Bearing Kit
3	918-0208-1-3	1	Double Yoke
4	918-0208-1-2	1	Zerk
5	918-0208-1-13	1	Cross & Bearing Kit
6	918-0513-1-1	1	Inboard Yoke
7	918-0308-1-5	1	Spring Pin
8	918-0106-1-2	1	Inner Profile
9	918-0106-2-1	1	Profile & Sleeve
10	618-0001-2-2	1	Inboard Yoke
11	918-0208-2-1	1	Cross & Bearing Kit
12	918-0513-2-1	1	Cut-Out Clutch
13	918-0513-1-2	1	CV Guard & Bearing Assembly
14	918-0212-1-5	1	Flex Net & Guard Assembly
15	918-0208-2-4	2	Bearing Ring
16	918-0513-1-3	1	Guard Tube Outer
17	918-0513-2-2	1	Guard Tube Inner
18	18-0117-1-4	1	Guard Cone 5 Rib
19	918-0208-2-7	2	Restraint Chain
20	918-0208-2-9	10	Screw
21	918-0208-2-8	1	Decal
22	918-0208-1-10	1	Decal
23	918-0208-1-12	1	Zerk
24	918-0208-1-11	1	Support Bearing
25	918-0308-2-5-1	1	Reinforcing Collar
26	918-0208-1-6	1	Spring Pin
27	918-0308-2-6	1	Lubrication Decal
28	918-0208-2-10	1	Decal
29	918-0513-1	1	Tractor Half (540 RPM)
	918-0514-1	1	Tractor Half (1000 RPM)
30	918-0513-2	1	Implement Half

SPINNER DRIVE



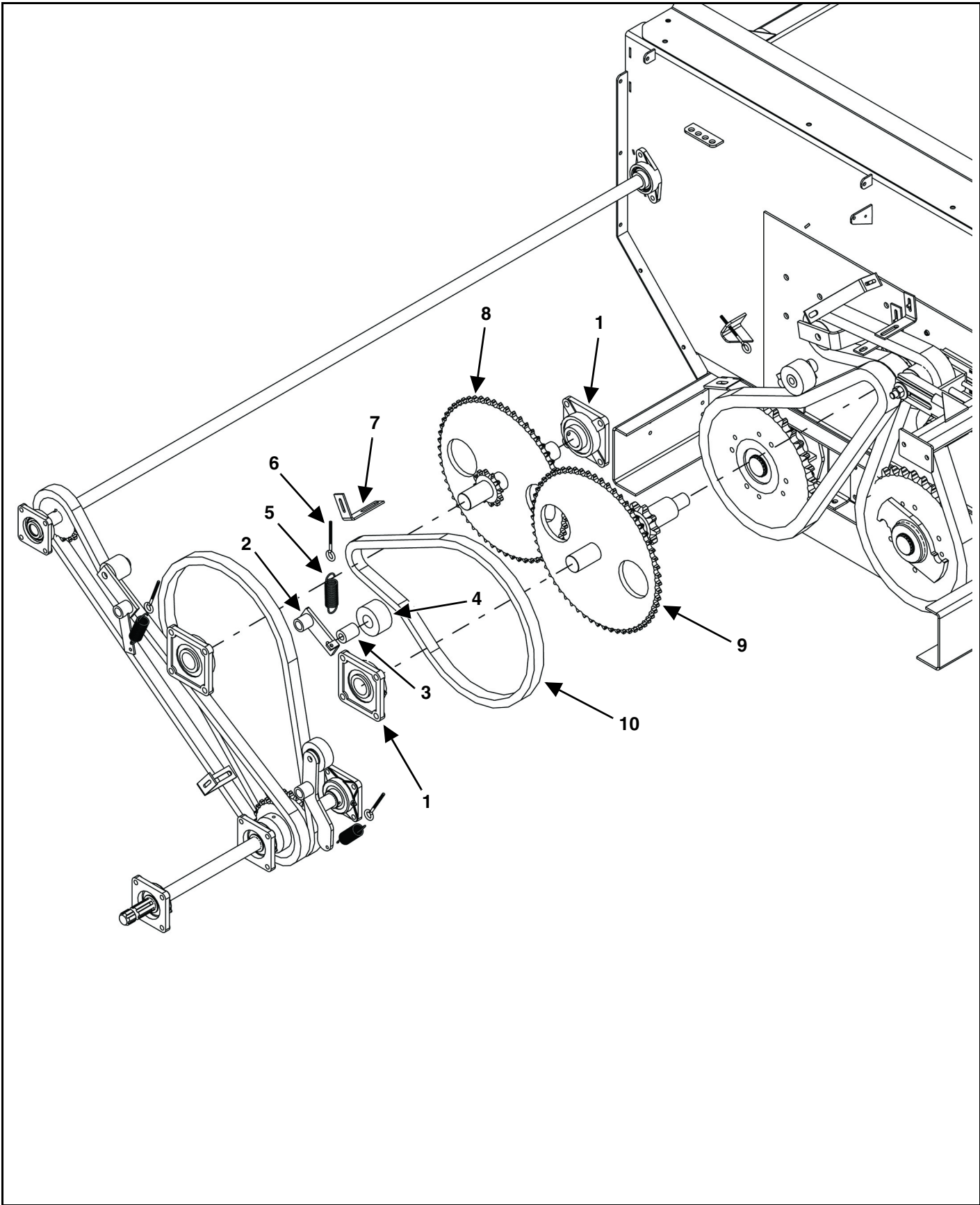
KEY	PART NUMBER	QTY	DESCRIPTION
1	914-3602	2	1-1/2" 4-Bolt Flange Bearing
2	923-0533	1	1-1/2" x 26-1/4" Input Shaft
	923-3833-XL	1	1-1/2" x 33-3/4" Input Shaft (Extended Hitch Only)
3	910-0039	1	80B22 Sprocket
4	35-0026	1	3/8" x 3/8" x 1-3/4" Square Key
5	952-0001-3	1	Automatic Oiler Brush Holder
6	929-0003	1	1-1/2" Spring
7	933-3804	1	5/16-18 x 3-3/4" Eyebolt
8	912-0001	1	Tightener Nylon Roller
9	925-3882-1	1	Auger Chain Tightener Weldment
10	914-3604	1	1-3/8" 4-Bolt Flange Bearing
11	35-0013	1	5/16" x 5/16" x 1-1/2" Square Key
12	910-0013	1	80B18 Sprocket
13	111-0080-104-OR	1	#80-104 O-Ring Roller Chain Including Connector Link

FIRST REDUCTION



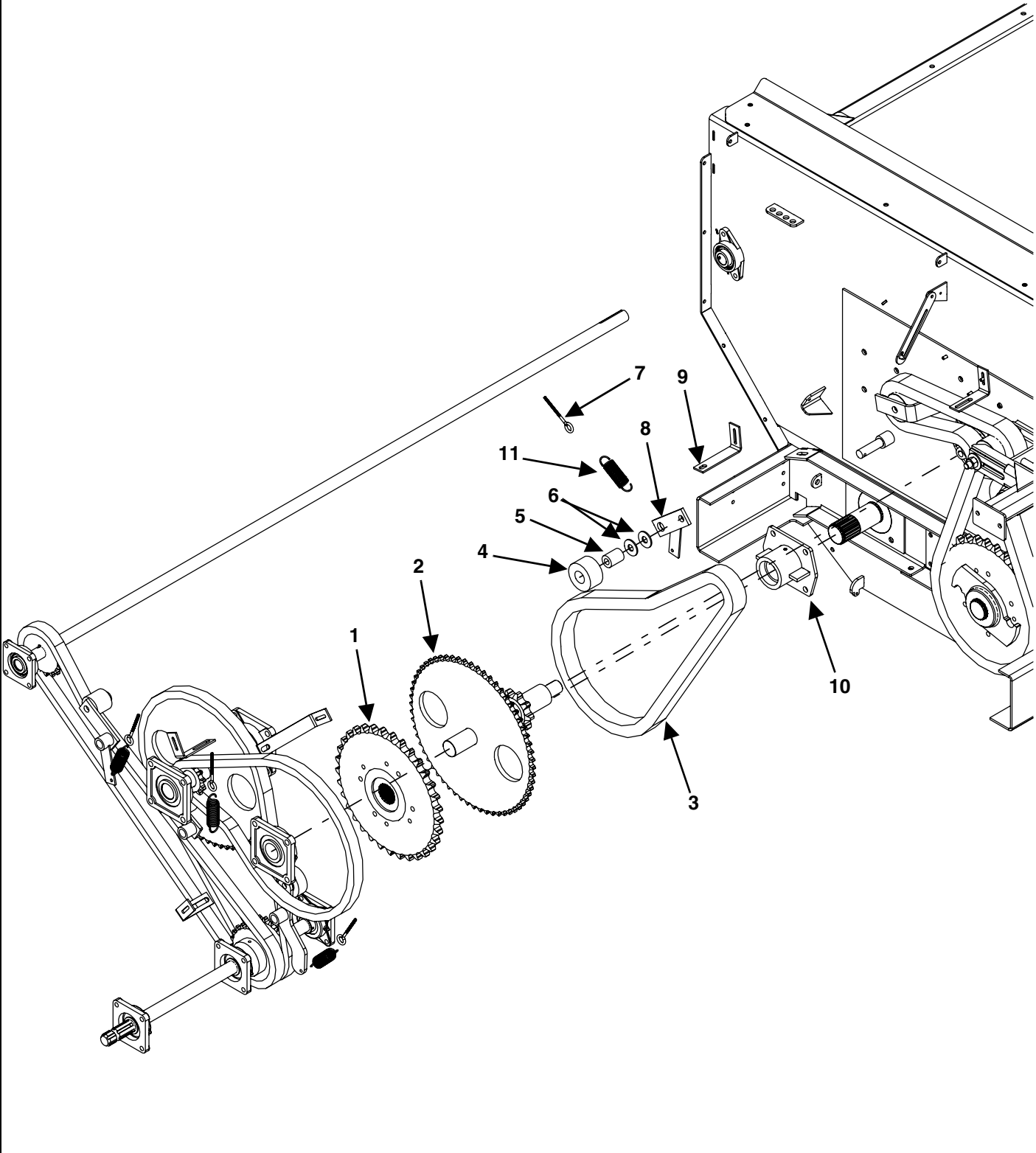
KEY	PART NUMBER	QTY	DESCRIPTION
1	914-3832	1	2" 4-Bolt Ductile Flange Bearing
2	910-0063	1	80A60/80A12 Sprocket Weldment (540 RPM)
	910-0063-RPM	1	80A80/80A12 Sprocket Weldment (1000 RPM)
3	911-0032	1	#80-86 Link Roller Chain Includes Connector Link (540 RPM)
	911-0072	1	#80-99 Link Roller Chain Includes Connector Link & Offset (1000 RPM)
4	952-0001-6	1	Automatic Oiler Brush Holder
5	914-3602	1	1-1/2" 4-Bolt Flange Bearing
6	933-3804	1	5/16-18 x 3-3/4" Eyebolt
7	912-0012-1	1	1-3/8" Nylon Roller
8	912-0012-2	1	Nylon Roller Inner Sleeve
9	805-0075-Z	1	3/4" Flat Washer
10	925-3883-1	1	Chain Tightener Weldment
11	935-0001	1	3/8" x 3/8" x 2" Hardened Square Key
12	910-0069	1	Split Sprocket 80B22 1-1/2" Bore, 3/8" Keyway (10 RPM Augers) Standard
	910-0068	1	Split Sprocket 80B16 1-1/2" Bore, 3/8" Keyway (7.3 RPM on Augers) (Poultry)
	910-0092	1	Sprocket 80SK15H 1-1/2" Bore, 3/8" Keyway (7 RPM on Augers) (Poultry)
	910-0005	1	Sprocket 80B12 1-1/2" Bore, 3/8" Keyway (5 RPM on Augers) (Poultry)
13	929-0003	1	1-1/2" Spring

SECOND REDUCTION DRIVE



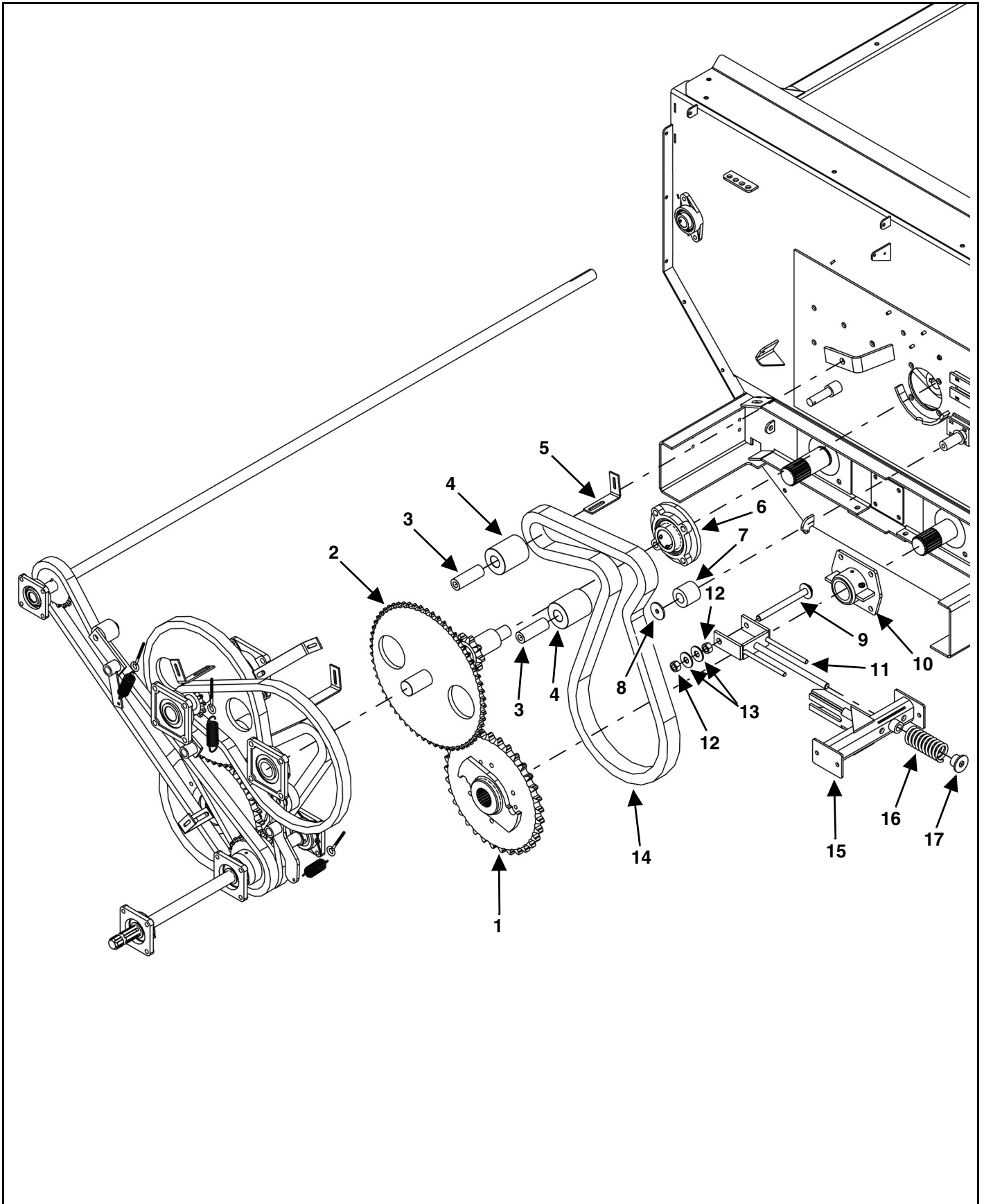
KEY	PART NUMBER	QTY	DESCRIPTION
1	914-3832	2	2" 4-Bolt Ductile Flange Bearing
2	925-3884-1	1	Chain Tightener Weldment
3	912-0013-2	1	Nylon Roller Inner Sleeve
4	912-0013-1	1	2" Nylon Roller
5	929-0003	1	1-1/2" Spring
6	933-3804	1	5/16-18 x 3-3/4" Eyebolt
7	952-0001-3	1	Automatic Oiler Brush Holder
8	See Page 52	1	80A60/80A12 Sprocket Weldment
9	910-0064	1	80A60/120A9 Sprocket Weldment (540 RPM)
	910-0064-RPM	1	80A80/120A9 Sprocket Weldment (1000 RPM)
10	911-0018	1	#80-73 Link Chain (540 RPM)
	911-0073	1	#80-87 Link Chain With Connector & Offset (1000 RPM)

FINAL REDUCTION, RH AUGER



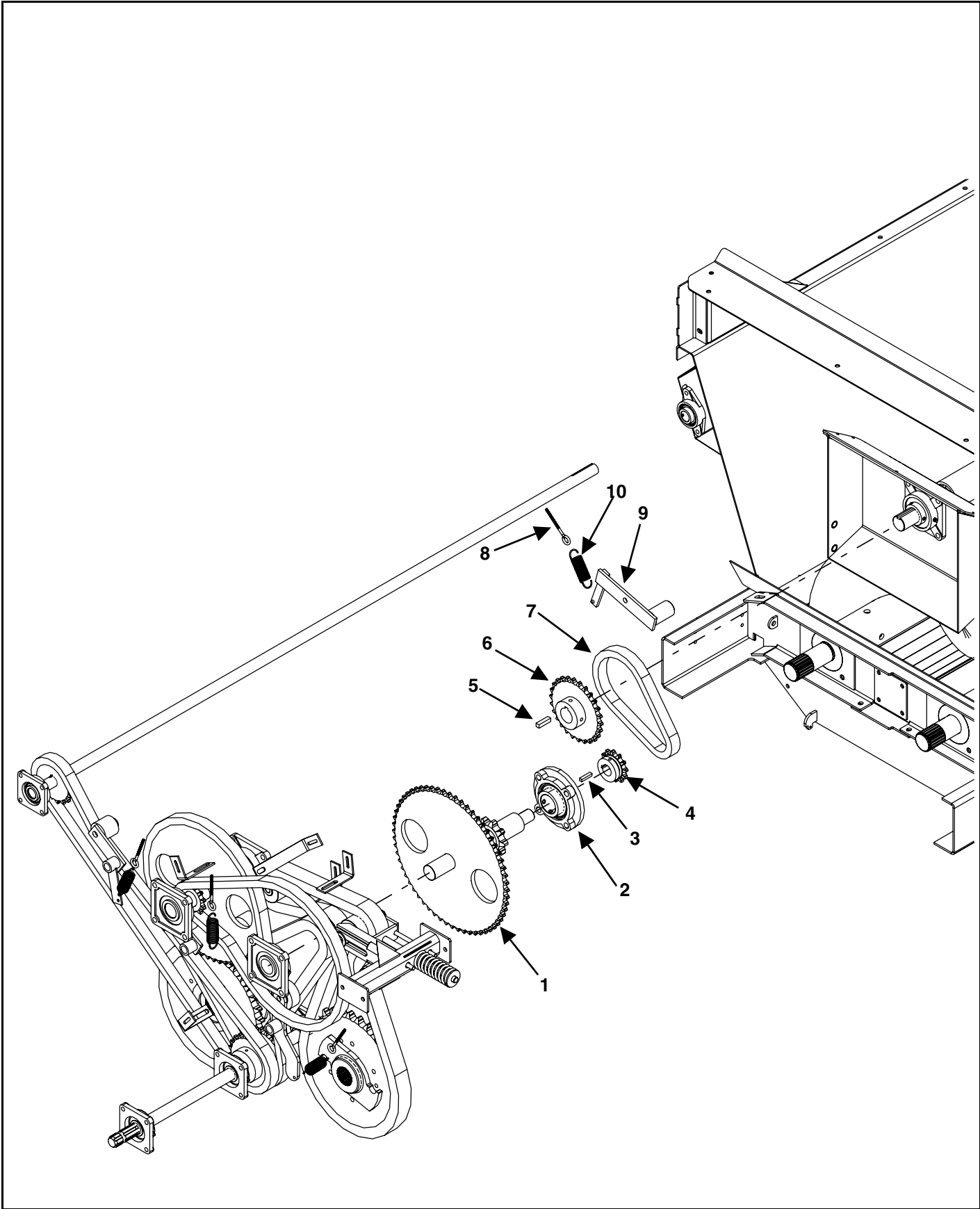
KEY	PART NUMBER	QTY	DESCRIPTION
1	910-0101	1	120B33 Shear Sprocket Welded Assembly
	831-5020-1.75	2	1/2"-20 x 1-3/4" Allen Head Cap Bolt (Standard Protection)
	884-5020	2	1/2"-20 Top Lock Nut Grade 8
	831-5618-1.75	2	9/16"-18 x 1-3/4" Allen Head Cap Bolt (Less Protection)
	831-5618-1.50-SL	2	9/16"-18 x 1-1/2" Allen Head Cap Bolt With Shank (Least Protection)
	884-5618	2	9/16"-18 Top Lock Nut Grade 8
2	See Page 54	1	80A60/120A9 Sprocket Weldment
3	911-0023	1	#120-56 Link Roller Chain With Connector
4	912-0013-1	1	2" Nylon Roller
5	912-0013-2	1	Nylon Roller Inner Sleeve
6	805-0075-Z	2	3/4" Flat Washer
7	933-3804	1	5/16-18 x 3-3/4" Eyebolt
8	925-3848-7	1	Chain Tightener Weldment
9	952-0001-4	1	Automatic Oiler Brush Holder
10	See Page 66	1	Right Auger Nylon Bearing Assembly With Nylon Bushing
11	929-3601	1	Spring

FINAL REDUCTION, LH AUGER



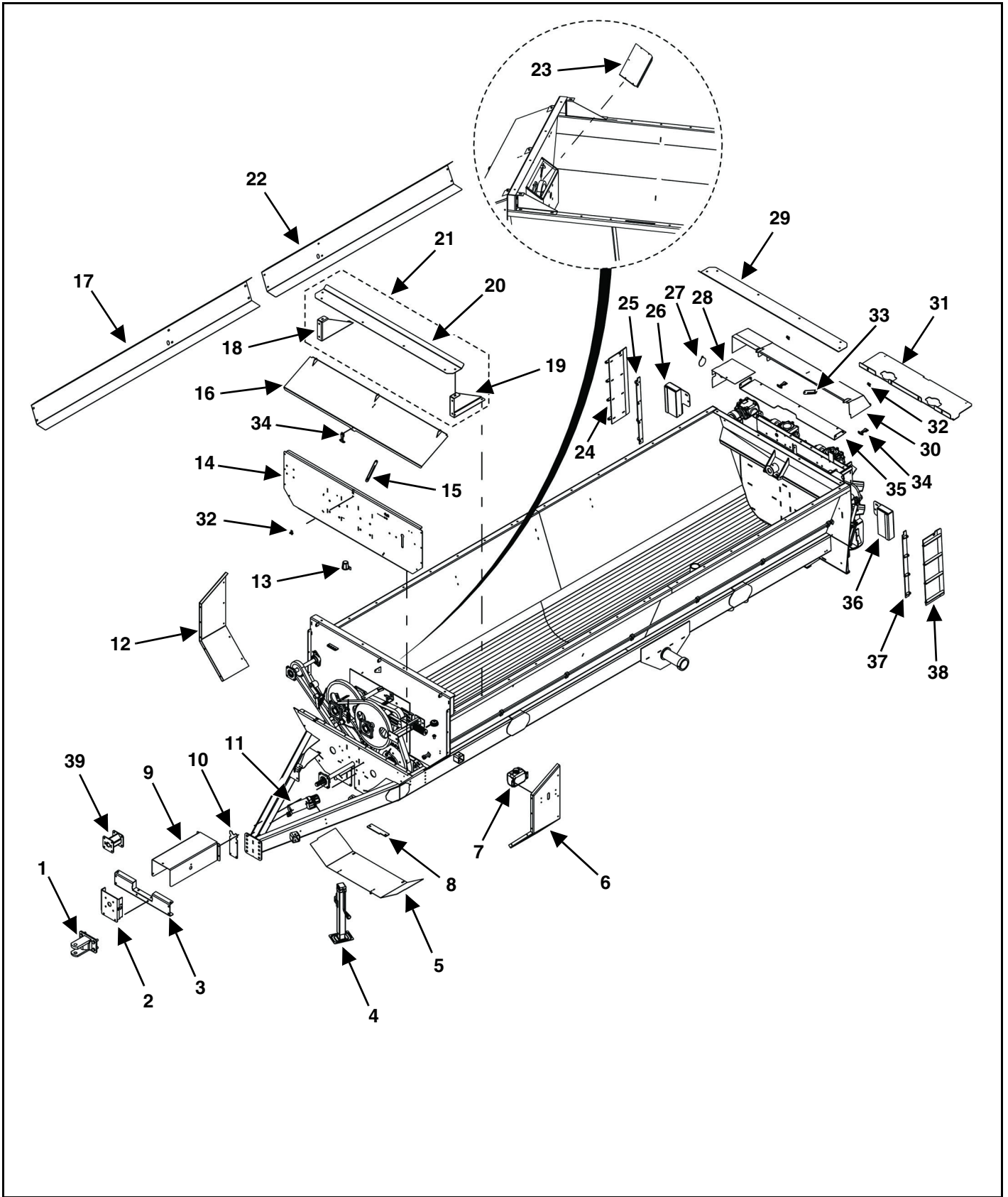
KEY	PART NUMBER	QTY	DESCRIPTION
1	910-0101	1	120B33 Shear Sprocket Welded Assembly
	831-5020-1.75	2	1/2"-20 x 1-3/4" Allen Head Cap Bolt (Standard Protection)
	884-5020	2	1/2"-20 Top Lock Nut Grade 8
	831-5618-1.75	2	9/16"-18 x 1-3/4" Allen Head Cap Bolt (Less Protection)
	831-5618-1.50-SL	2	9/16"-18 x 1-1/2" Allen Head Cap Bolt With Shank (Least Protection)
	884-5618	2	9/16"-18 Top Lock Nut Grade 8
2	See Page 54	1	80A60/120A9 Sprocket Weldment
3	912-0014-2	2	Nylon Roller Inner Sleeve
4	912-0014-1	2	4" Nylon Roller
5	952-0001-3	1	Automatic Oiler Brush Holder
6	914-3807A	1	2-1/2" Round Ductile Flange Bearing
7	912-0001	1	Nylon Tightener Roller
8	925-3807-3	1	2-1/4" Nylon Roller Retention Washer
9	925-3839	1	Snugulator Mount Bolt Welded Assembly
10	See Page 66	1	Left Auger Nylon Bearing Assembly With Nylon Bushing
11	925-3838	1	Tightener Yoke Welded Assembly
12	814-7510-Z	2	3/4-10 Center Lock Nut
13	805-0075-Z	2	3/4" Flat Washer
14	911-0024	1	#120-72 Link Roller Chain With Connector
15	901-0696-9	1	Chain Tightener Weldment
16	29-0009	1	1-3/4" x 5-3/4" Spring
17	925-3841	1	Outer Spring Tightener Guide Assembly

FINAL REDUCTION, THIRD AUGER DRIVE



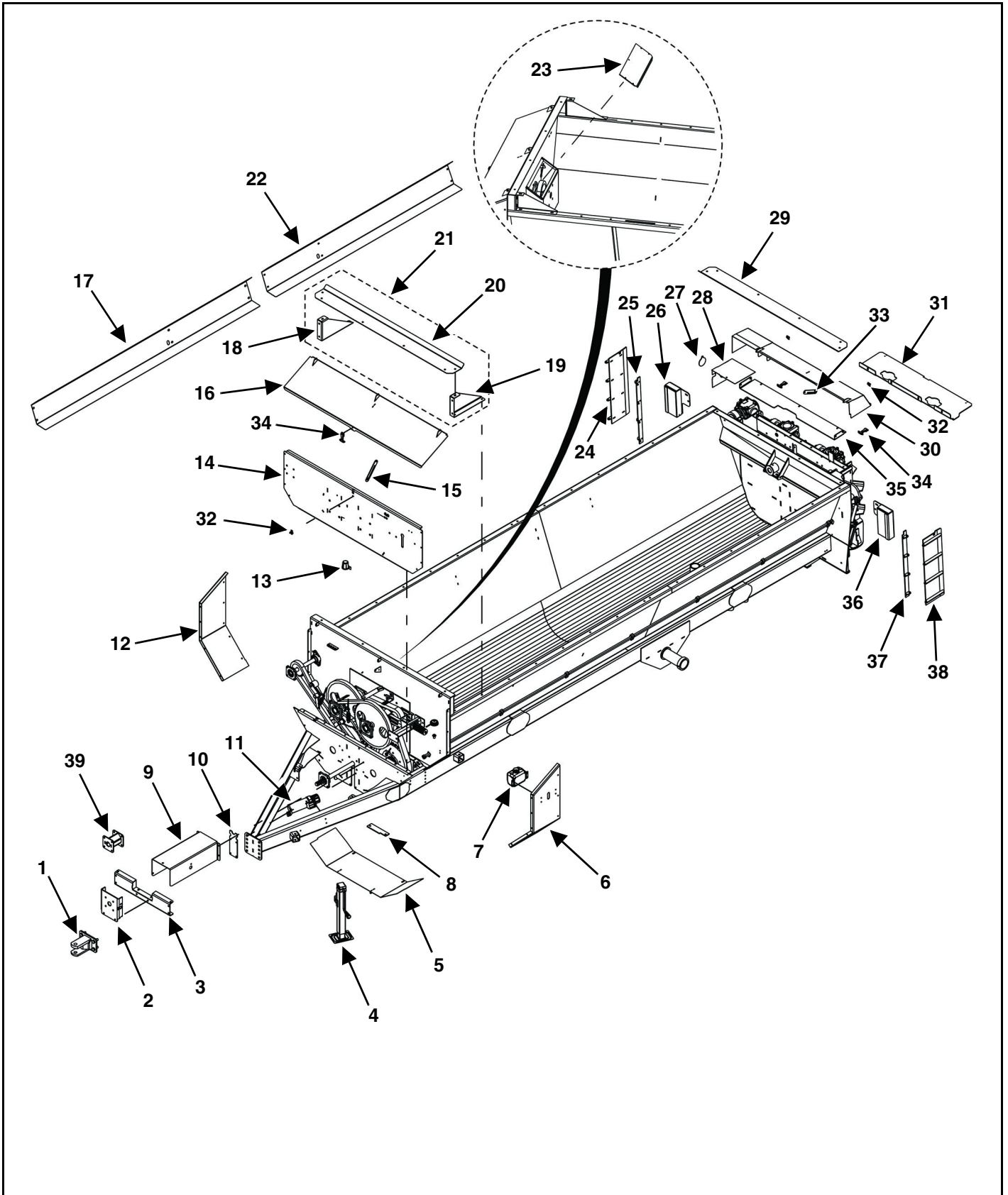
KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 54	1	80A60/120A9 Sprocket Weldment
2	See Page 58	1	2-1/2" Round Ductile Flange Bearing
3	35-0026	1	3/8" x 3/8" x 1-3/4" Square Key
4	910-0005	1	80B12 Sprocket
5	35-0008	1	1/2" x 1/2" x 2" Square Key
6	910-0050	1	80B26 Sprocket
7	911-0033	1	#80-36 Link Roller Chain
8	933-3804	1	5/16-18 x 3-3/4" Eyebolt
9	925-3866	1	Third Auger Tightener Bracket Weldment
10	929-3601	1	Spring

BODY & SHIELDS



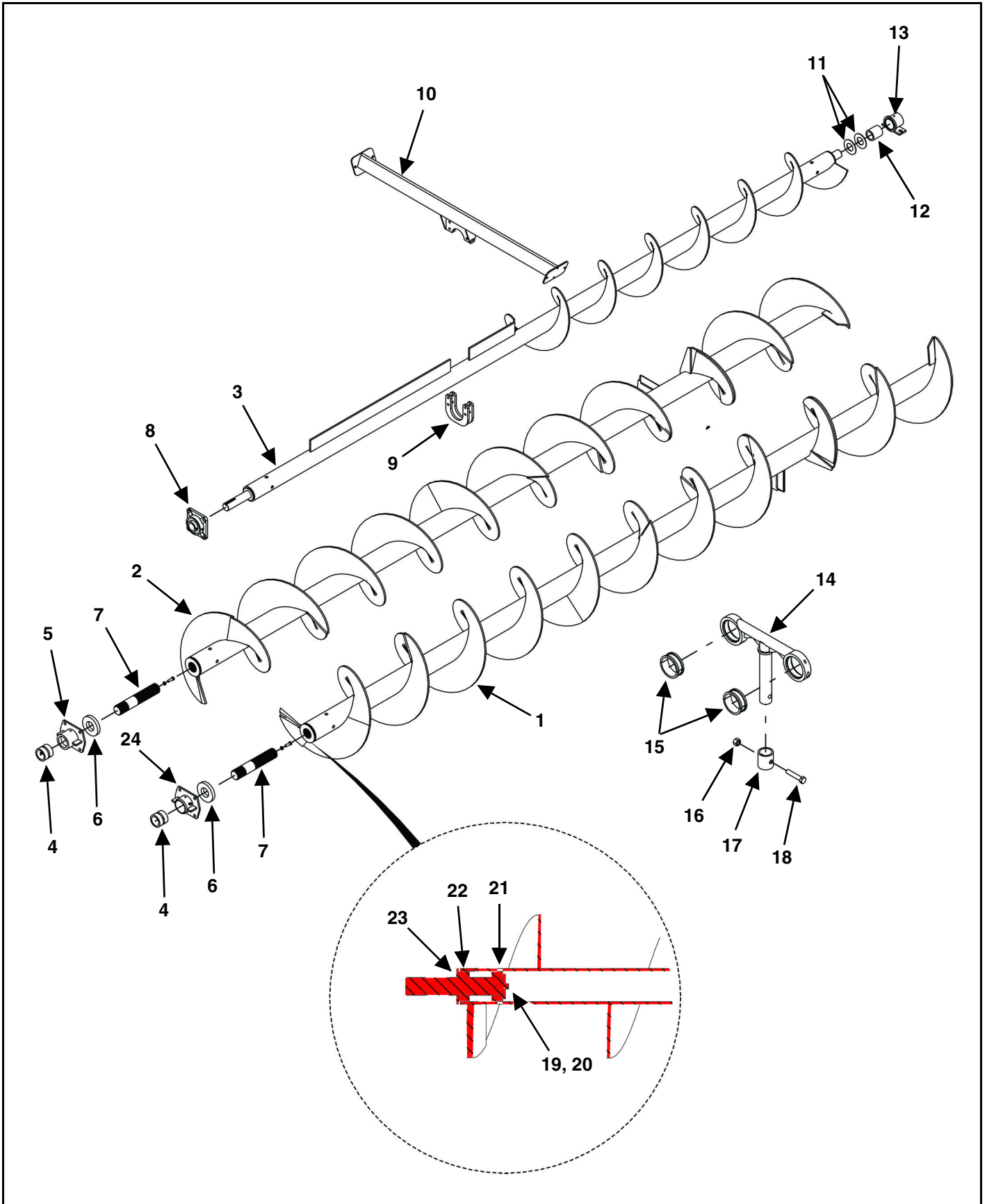
KEY	PART NUMBER	QTY	DESCRIPTION
1	MS1-4-0004	1	Hitch Welded Assembly
	MS1-4-0004-AS	1	Hitch Assembly With Hardware
2	901-0689	1	Extended Hitch Input Plate Weldment (Extended Hitch Only)
3	901-0707	1	Tongue Cross Channel Weldment (Extended Hitch Only)
4	956-3806	1	Jack Stand
5	924-0590	1	Bottom Drive Shield Weldment
6	924-0591	1	Left Drive Shield
7	See Page 90	1	2 Quart Tank With Cap
8	901-0697-9	1	Lower Front Panel Cover
9	924-0605	1	Hitch Cover
	924-0594	1	Hitch Cover (Extended Hitch Only)
10	901-0698-6	1	Front Panel Cover Plate
	901-0698-3	1	Front Panel Cover Plate (Extended Hitch Only)
11	33-0044	1	Manual Holder With Drilled Vent Hole
12	924-0592	1	Right Drive Shield
13	56-0009	1	Plug Holder
14	901-0699	1	Upper Front Panel Weldment (540 RPM)
	901-0711	1	Upper Front Panel Weldment (1000 RPM)
15	925-0541	1	Lid Prop
16	924-0593	1	Top Drive Shield Weldment
17	924-0563-1	1	Front Side Shaft Shield (SXL2636)
	924-0532	1	Front Side Shaft Shield (SXL3954)
	924-0547	1	Front Side Shaft Shield (SXR400/500)
18	901-0622	1	Right Splash Guard (SXL2636/3954)
	901-3917	1	Right Splash Guard Welded Assembly (SXR400)
19	901-0621	1	Left Splash Guard (SXL2636/3954)
	901-3916	1	Left Splash Guard Welded Assembly (SXR400)
20	901-0599	1	Splash Guard Plate (SXL2636/3954)
	901-0666	1	Splash Guard Plate (SXR400)
21	901-0616	1	Splash Guard Weldment (SXR500)

BODY & SHIELDS (CONT'D)



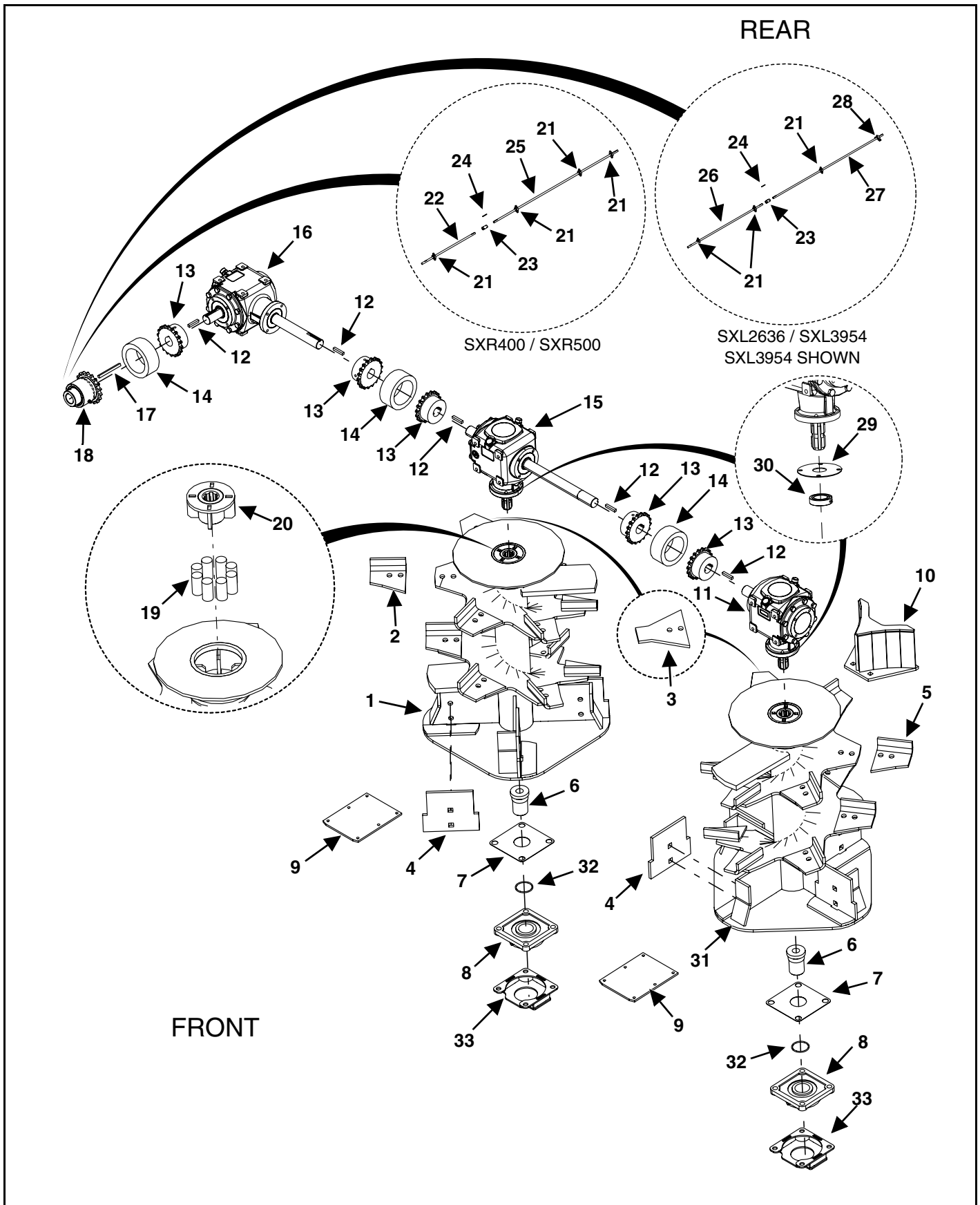
KEY	PART NUMBER	QTY	DESCRIPTION
22	924-0540	1	Rear Side Shaft Shield (SXL2636/3954)
	924-0548	1	Rear Side Shaft Shield (SXR400/500)
23	925-3861	1	Oil Bath Cover
24	925-0572-3	1	Right Material Guide Weldment
25	925-0572-1	1	Right Material Guide Pivot Weldment
26	925-0014-1	1	Right Light Mount Bracket Weldment
27	925-0608-1-3	1	Shield Cover
28	924-0608	1	Corner Gearbox Shield Weldment
29	901-0599	1	Splash Guard Plate (SXL2636/3954)
	901-0666	1	Splash Guard Plate (SXR400)
	901-0616	1	Splash Guard Weldment (SXR500)
30	924-0607	1	Rear Gearbox Shield Weldment
31	925-0603	1	Gearbox Bottom Cover
32	32-0032-3	3	Sheared Rubber T-Latch Lower Catch
33	925-0581	1	Lid Prop
34	32-0032-2	3	Rubber T-Latch
35	925-0590	1	Spinner Material Seal Scissor Lift (SXL2636/3954 & SXR400)
	925-0604	1	Spinner Material Seal Scissor Lift (SXR500 Only)
36	925-0015-1	1	Left Light Mount Bracket Weldment
37	925-0571-1	1	Left Material Guide Pivot Weldment
38	925-0571-3	1	Left Material Guide Weldment
39	901-0738	1	Bearing Mount Weldment (Non Extended Hitch)

AUGERS



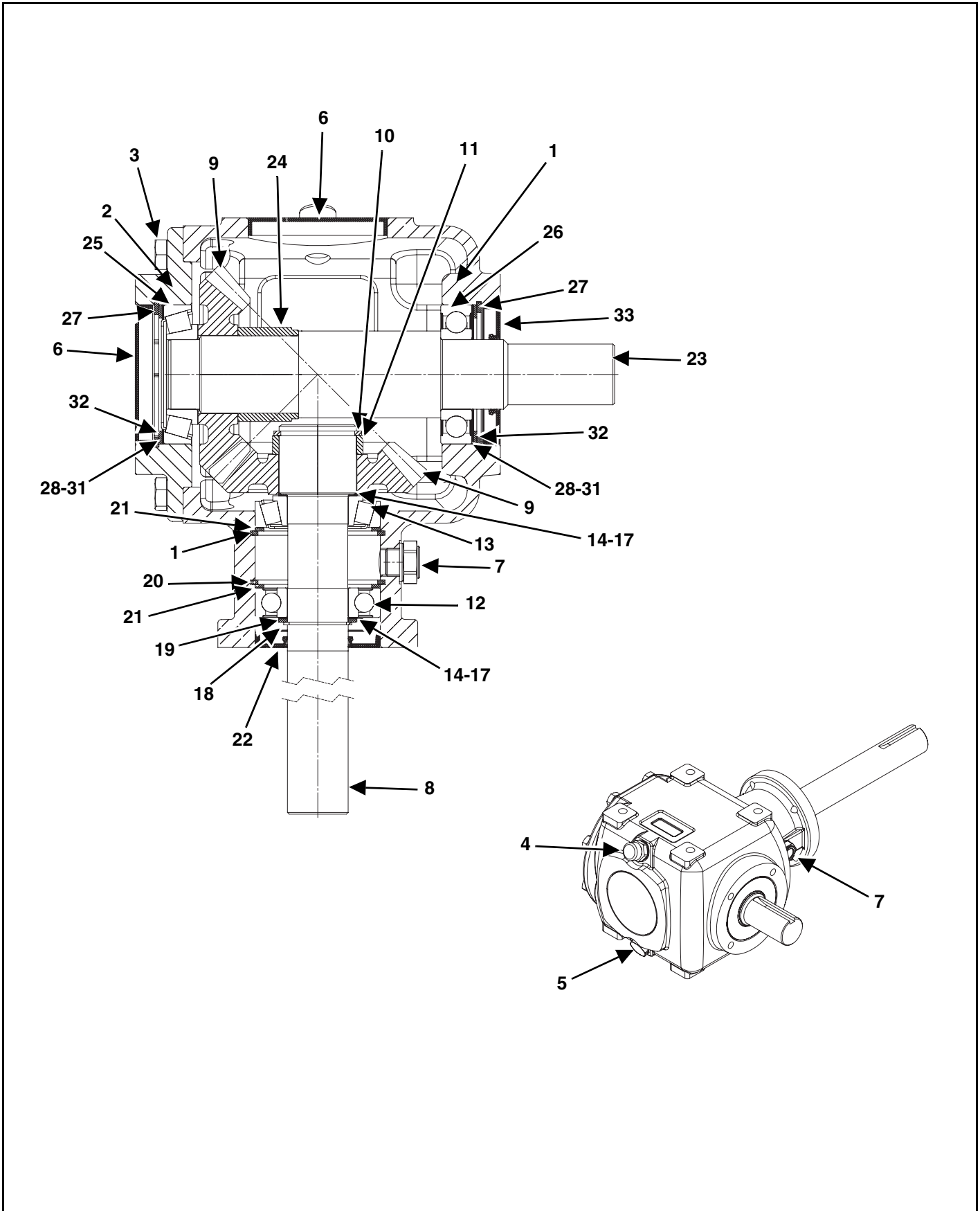
KEY	PART NUMBER	QTY	DESCRIPTION
1	926-0520	1	Left Auger Welded Assembly (SXL2636)
	926-3826	1	Left Auger Welded Assembly (SXL3954)
	926-3828	1	Left Auger Welded Assembly (SXR400/500)
2	926-0524	1	Right Auger Welded Assembly (SXL2636)
	926-0523	1	Right Auger Welded Assembly (SXL3954)
	926-3829	1	Right Auger Welded Assembly (SXR400/500)
3	926-3819	1	Third Auger Welded Assembly (SXL2636)
	926-0525	1	Third Auger Welded Assembly (SXL3954)
	926-5000	1	Third Auger Welded Assembly (SXR400/500)
4	913-3705	2	Nylon Bushing
5	925-5011	1	Right Auger Nylon Bearing Assembly With Nylon Bushing
6	933-3801-NSM-09	2	Auger Thrust Bearing
7	926-3801-5	2	2-1/2" x 13-1/2" Splined Shaft
8	914-3832	1	2" 4-Bolt Ductile Flange Bearing
9	901-0593-4	2	Third Auger Guide (SXL3954 Only)
10	901-0644	1	Third Auger Support Weldment (SXL3954 Only)
11	933-3606	2	2-1/16" ID x 4" OD x 1/8" Bronze Washer
12	913-3809	1	Third Auger Nylon Bushing
13	925-3865	1	Third Auger Bushing Assembly
14	901-3893-AS	1	T-Post Hold Down Welded Assembly With Nylon Bushings (SXL2636/3954)
	925-5000-AS	1	T-Post Hold Down Welded Assembly With Nylon Bushings (SXR400/500)
15	901-3840-1	4	T-Post Hold Down Nylon Bushing (SXL2636/3954)
	925-3864-1	4	T-Post Hold Down Nylon Bushing (SXR400/500)
16	884-1008-Z	1	1"-08 Top Lock Nut
17	925-3771-4	1	Auger Hold Down Collar
18	881-1008-5Z	1	1"-08 x 5" Hex Cap Screw
19	881-5013-1.5Z	2	1/2"-13 x 1-1/2" Hex Cap Screw
20	822-0050-Z	2	1/2" Split Lock Washer
21	926-3817-2-1	2	Rear Splined Sleeve With Washer Welded Assembly
22	926-3817-2	2	Splined Sleeve
23	933-3802	2	2-1/2" Flat Plain Washer
24	925-5010	1	Left Auger Nylon Bearing Assembly With Nylon Bushing

SPINNERS & GEARBOXES



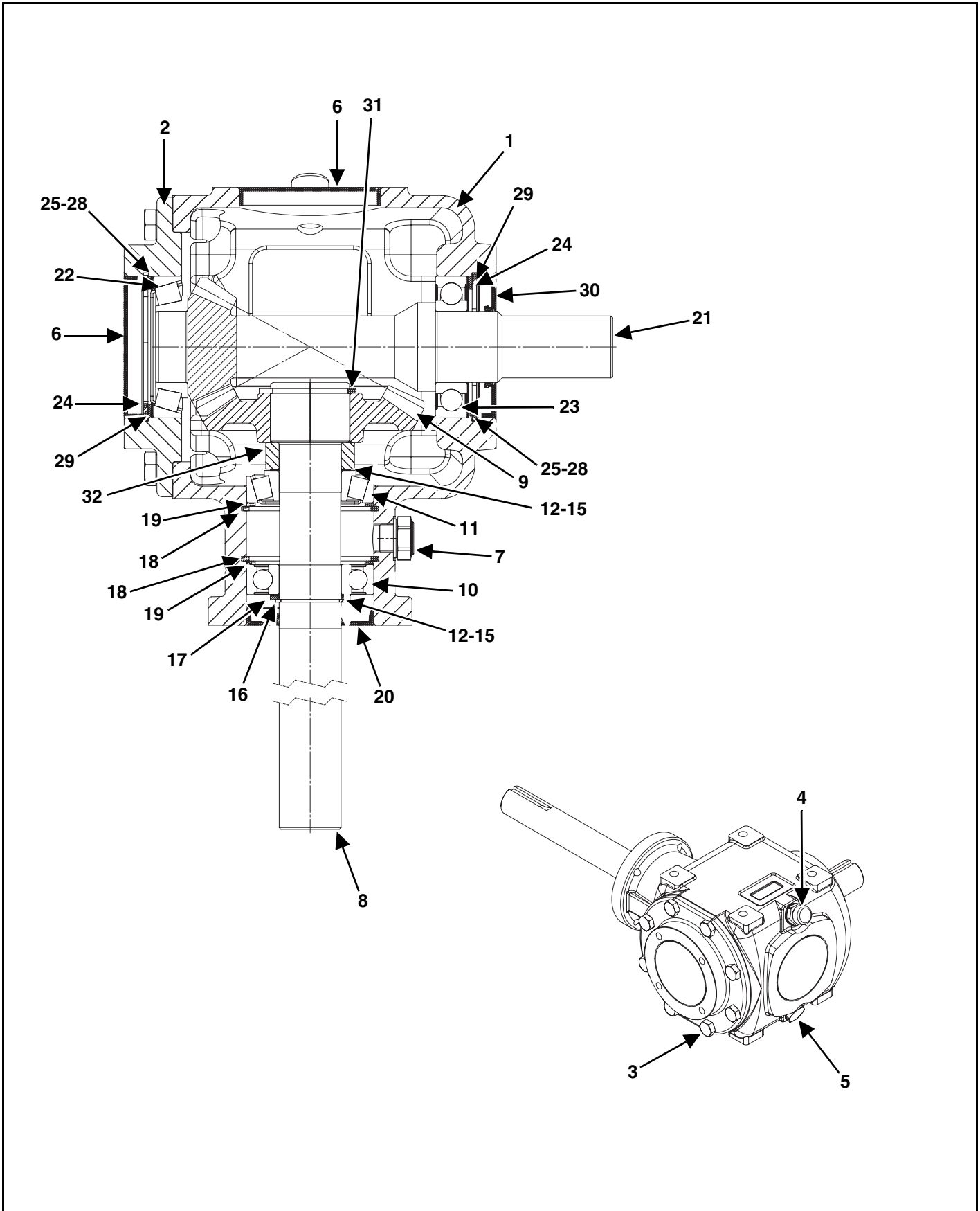
KEY	PART NUMBER	QTY	DESCRIPTION
1	901-0595	1	Right Spinner Assembly (Includes Key #'s 6,19 & 20)
2	901-0558-8	11	Right Spinner Tooth
3	625-0101-10-3	2	Top Spinner Tooth Only
4	901-0586	8	Lower Spinner Paddle
5	901-0557-8	11	Left Spinner Tooth
6	901-0585-1-10	2	Spinner Shaft Sleeve (Welded On)
7	914-3832-NG	2	Backside Bearing Seal
8	914-3834	2	2" 4-Bolt Ductile Flange Bearing
	881-6311-2Z	8	5/8"-11 x 2" Hex Cap Screw
	814-6311-Z	8	5/8"-11 Finished Hex Center Lock Nut
9	901-0631-1	2	Spinner Channel Liner
10	925-0565	1	Standard Spinner Deflector Weldment
	925-0523	1	High Spinner Deflector Weldment (Optional)
11	See Page 76	1	Left Spinner Gearbox
	851-M12-1.75-30-Z	4	M12-1.75 x 30mm Grade 8 Bolt
	805-0050-Z	4	Washer
12	135-3131-1.75-1	5	5/16" x 5/16" x 1-3/4" Square Key
13	937-0014-1	5	60B18 Sprocket
14	111-0060-18-CC	3	Coupling Chain With Connector Pin & Snap Plate
15	See Page 74	1	Right Spinner Gearbox
	851-M12-1.75-30-Z	4	M12-1.75 x 30mm Grade 8 Bolt
	805-0050-Z	4	Washer
16	See Page 70	1	540 RPM Corner Gearbox
	See Page 72	1	1000 RPM Corner Gearbox
	851-M12-1.75-30-Z	4	M12-1.75 x 30mm Grade 8 Bolt
	805-0050-Z	4	Washer
17	135-3131-4-1	1	5/16" x 5/16" x 4" Square Key
18	937-0502	1	Overrunning Clutch
19	937-0021	16	Polyurethane Coupling Rod
20	901-3964	2	Lower Coupling Hub Weldment
21	14-0049	2/3/4	2-Bolt Bearing (SXL2636/SXL3954/SXR400 & SXR500)
22	923-0529	1	Front Side Shaft
23	937-0002	1	1-3/8" Coupler With 4 Set Screws
24	35-0017	1	5/16" x 5/16" x 4-1/2" Square Key
25	923-3827	1	Rear Side Shaft
26	923-0535	1	Front Side Shaft (SXL2636)
	923-0534	1	Front Side Shaft (SXL3954)
27	923-3827	1	Rear Side Shaft
28	914-3801	1	1-3/8" Pillow Block Bearing With Set Screw
29	901-0766	2	Gearbox Seal
30	933-0509	2	1-3/8" Shaft Lock Collar
31	901-0585	1	Left Spinner Assembly (Includes Key #'s 6,19 & 20)
32	901-0790-4	2	2-1/8" O-Ring
33	901-0843	2	Bearing Cover Weldment

540 RPM CORNER GEARBOX



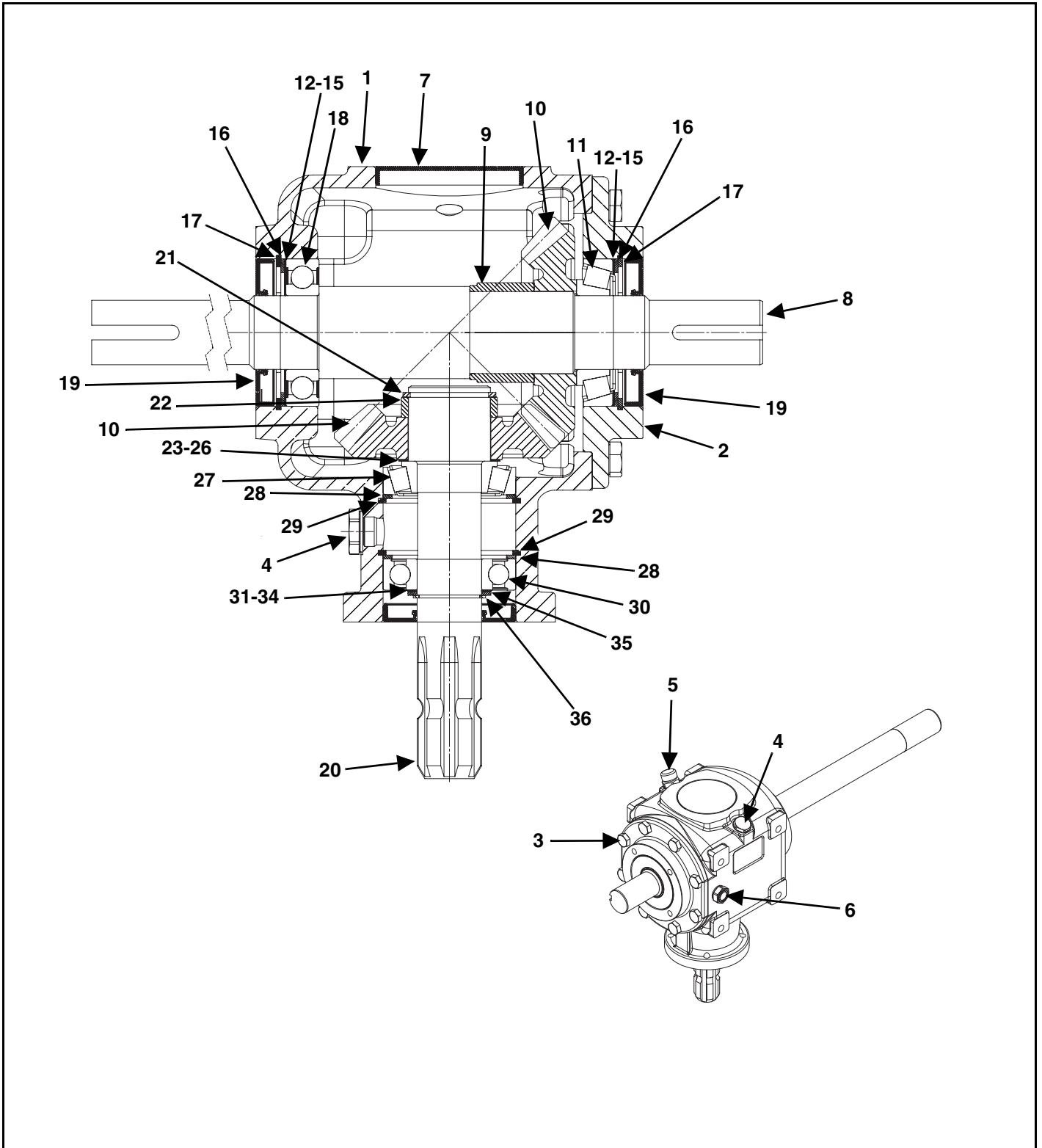
KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0066	1	540 RPM Complete Corner Gearbox Assembly
1	119-B-87	1	Case
2	119-B-56	1	Cover
3	119-B-57	8	M10 x 20 Bolt
4	119-B-03	1	Breather Plug
5	119-B-02	1	Plug
6	119-B-59	2	Cap
7	119-B-58	1	Oil Visual Level Indicator
8	119-B-88	1	Shaft
9	119-B-62	1	Bevel Gear
10	119-B-33	1	Retaining Ring
11	119-B-73	1	Spacer
12	119-B-77	1	Deep Groove Ball Bearing
13	119-B-74	1	Tapered Roller Bearing
14	119-B-78	2	Shim Washer
15	119-B-79	2	Shim Washer
16	119-B-80	2	Shim Washer
17	119-B-81	2	Shim Washer
18	119-B-83	1	Retaining Ring
19	119-B-82	1	Support Washer
20	119-B-76	2	Retaining Ring
21	119-B-75	2	Support Washer
22	119-B-84	1	Oil Seal Ring
23	119-B-89	1	Shaft
24	119-B-61	1	Spacer
25	119-B-63	1	Tapered Roller Bearing
26	119-B-70	1	Deep Groove Ball Bearing
27	119-B-69	2	Retaining Ring
28	119-B-90	2	Shim Washer
29	119-B-91	2	Shim Washer
30	119-B-92	2	Shim Washer
31	119-B-93	2	Shim Washer
32	119-B-68	2	Support Washer
33	119-B-71	1	Oil Seal Ring

1000 RPM CORNER GEARBOX



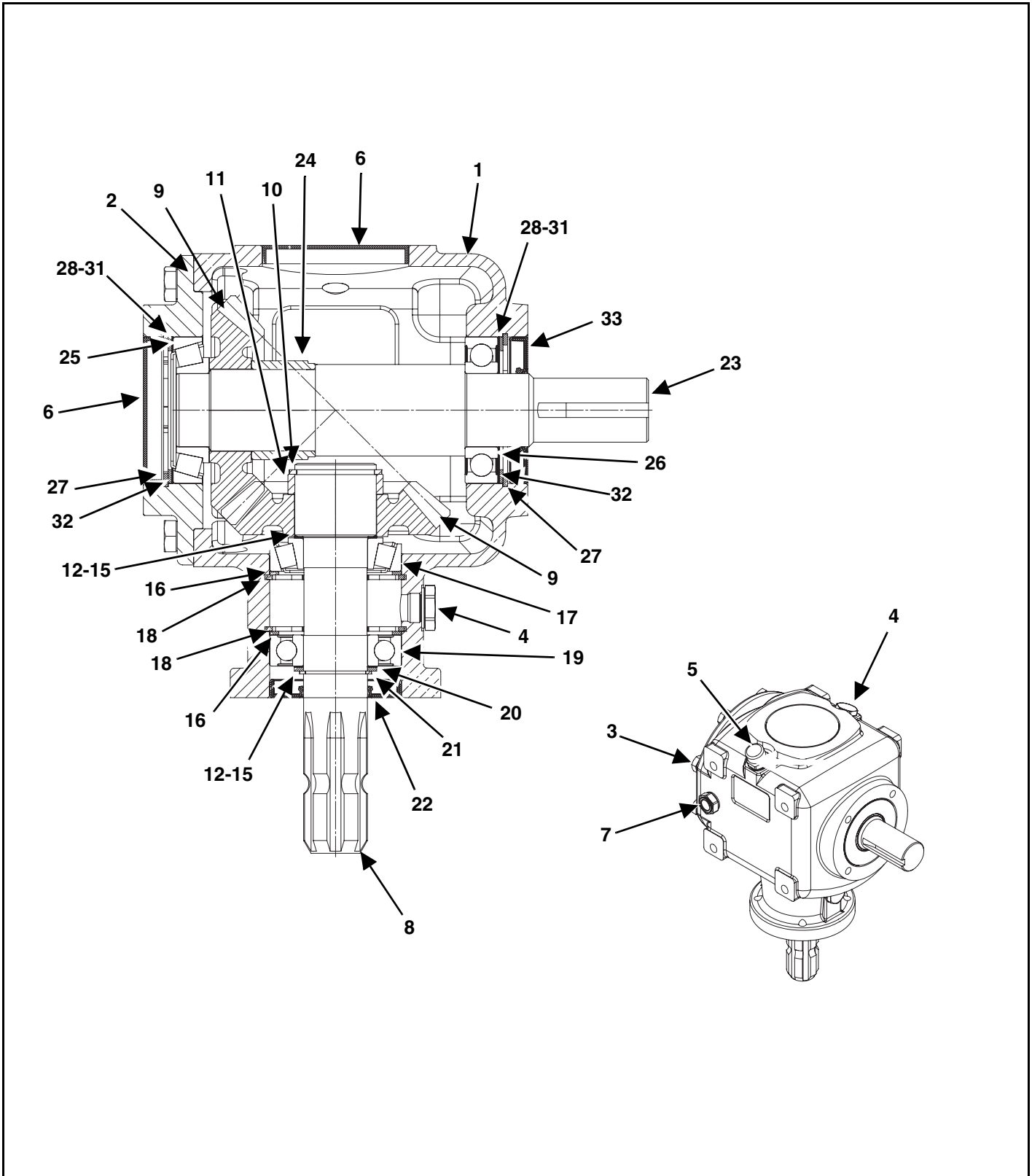
KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0067	1	1000 RPM Complete Corner Gearbox Assembly
1	119-B-87	1	Case
2	119-B-56	1	Cover
3	119-B-57	8	M10 x 20 Bolt
4	119-B-03	1	Breather Plug
5	119-B-02	1	Plug
6	119-B-59	2	Cap
7	119-B-58	1	Oil Visual Level Indicator
8	119-B-94	1	Shaft
9	119-B-95	1	Bevel Gear
10	119-B-77	1	Deep Groove Ball Bearing
11	119-B-74	1	Tapered Roller Bearing
12	119-B-78	2	Shim Washer
13	119-B-79	2	Shim Washer
14	119-B-80	2	Shim Washer
15	119-B-81	2	Shim Washer
16	119-B-83	1	Retaining Ring
17	119-B-82	1	Support Washer
18	119-B-76	2	Retaining Ring
19	119-B-75	2	Support Washer
20	119-B-84	1	Oil Seal Ring
21	119-B-96	1	Shaft
22	119-B-63	1	Tapered Roller Bearing
23	119-B-70	1	Deep Groove Ball Bearing
24	119-B-69	2	Retaining Ring
25	119-B-90	2	Shim Washer
26	119-B-91	2	Shim Washer
27	119-B-92	2	Shim Washer
28	119-B-93	2	Shim Washer
29	119-B-68	2	Support Washer
30	119-B-71	1	Oil Seal Ring
31	119-B-33	1	Retaining Ring
32	119-B-97	1	Spacer

RIGHT SPINNER GEARBOX



KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0068	1	Complete Right Spinner Gearbox Assembly
1	119-B-55	1	Case
2	119-B-56	1	Cover
3	119-B-57	8	M10 x 20 Bolt
4	119-B-02	2	Plug
5	119-B-03	1	Breather Plug
6	119-B-58	1	Oil Visual Level Indicator
7	119-B-59	1	Cap
8	119-B-60	1	Shaft
9	119-B-61	1	Spacer
10	119-B-62	2	Bevel Gear
11	119-B-63	1	Tapered Roller Bearing
12	119-B-64	2	Shim Washer
13	119-B-65	2	Shim Washer
14	119-B-66	2	Shim Washer
15	119-B-67	2	Shim Washer
16	119-B-68	2	Support Washer
17	119-B-69	2	Retaining Ring
18	119-B-70	1	Deep Groove Ball Bearing
19	119-B-71	2	Oil Seal Ring
20	119-B-72	1	Shaft
21	119-B-33	1	Retaining Ring
22	119-B-73	1	Spacer
23	119-B-28	1	Shim Washer
24	119-B-26	1	Shim Washer
25	119-B-27	1	Shim Washer
26	119-B-29	1	Shim Washer
27	119-B-74	1	Tapered Roller Bearing
28	119-B-75	2	Support Washer
29	119-B-76	2	Retaining Ring
30	119-B-77	1	Deep Groove Ball Bearing
31	119-B-78	1	Shim Washer
32	119-B-79	1	Shim Washer
33	119-B-80	1	Shim Washer
34	119-B-81	1	Shim Washer
35	119-B-82	1	Support Washer
36	119-B-83	1	Retaining Ring
37	119-B-84	1	Oil Seal Ring

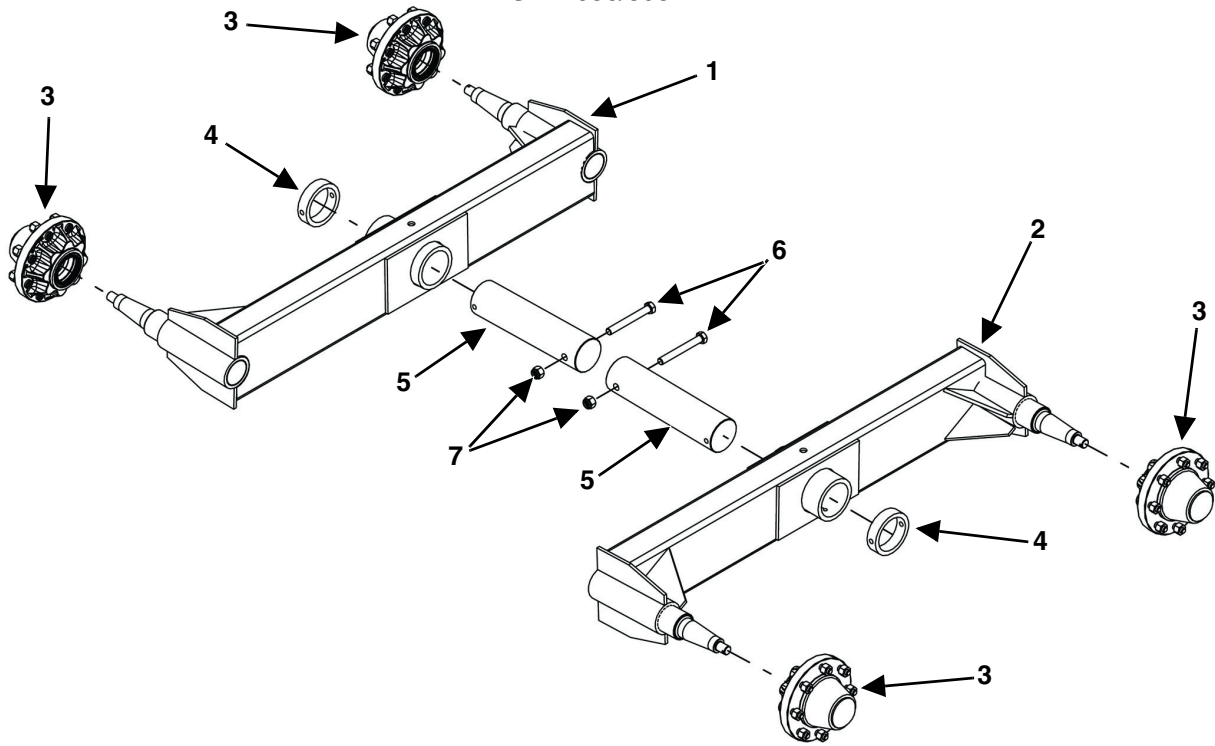
LEFT SPINNER GEARBOX



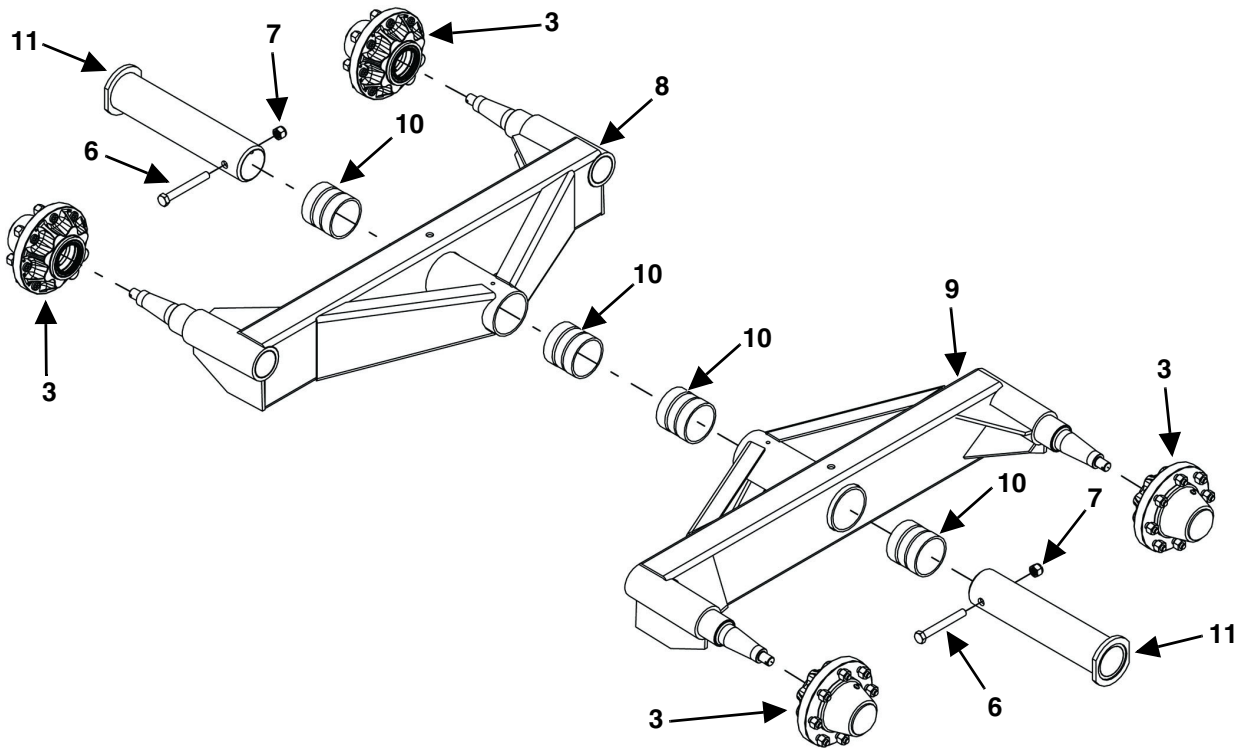
KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0069	1	Complete Left Spinner Gearbox Assembly
1	119-B-55	1	Case
2	119-B-56	1	Cover
3	119-B-57	8	M10 x 20 Bolt
4	119-B-02	2	Plug
5	119-B-03	1	Breather Plug
6	119-B-59	2	Cap
7	119-B-58	1	Oil Visual Level Indicator
8	119-B-72	1	Shaft
9	119-B-62	2	Bevel Gear
10	119-B-33	1	Retaining Ring
11	119-B-73	1	Spacer
12	119-B-78	2	Shim Washer
13	119-B-79	2	Shim Washer
14	119-B-80	2	Shim Washer
15	119-B-81	2	Shim Washer
16	119-B-75	2	Support Washer
17	119-B-74	1	Tapered Roller Bearing
18	119-B-76	2	Retaining Ring
19	119-B-77	1	Deep Groove Ball Bearing
20	119-B-82	1	Support Washer
21	119-B-83	1	Retaining Ring
22	119-B-84	1	Oil Seal Ring
23	119-B-89	1	Shaft
24	119-B-61	1	Spacer
25	119-B-63	1	Tapered Roller Bearing
26	119-B-70	1	Deep Groove Ball Bearing
27	119-B-69	2	Retaining Ring
28	119-B-90	2	Shim Washer
29	119-B-91	2	Shim Washer
30	119-B-92	2	Shim Washer
31	119-B-93	2	Shim Washer
32	119-B-68	2	Support Washer
33	119-B-71	1	Oil Seal Ring

SPINDLES & O-BEAMS

SXL2636/3954

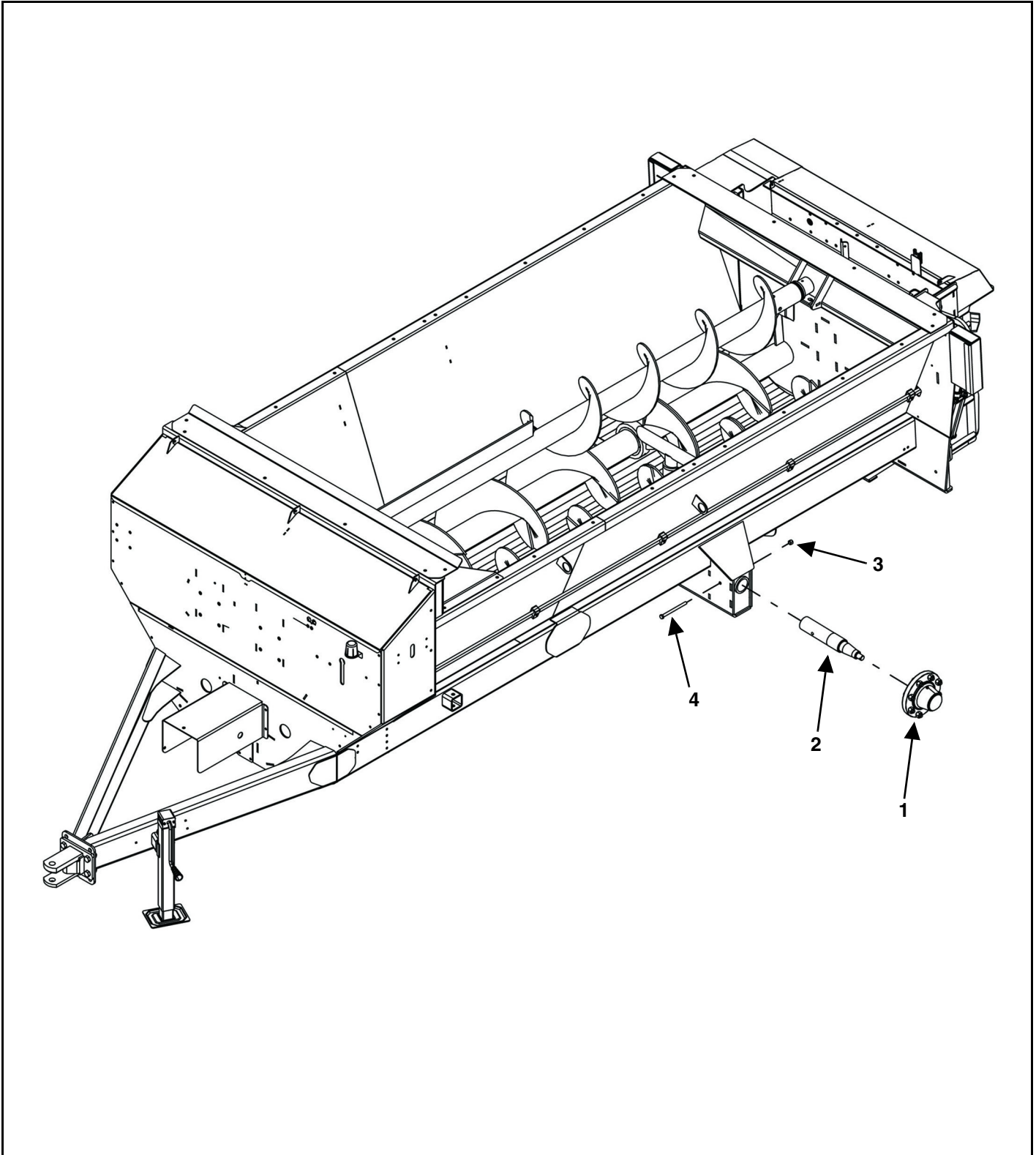


SXR400/500



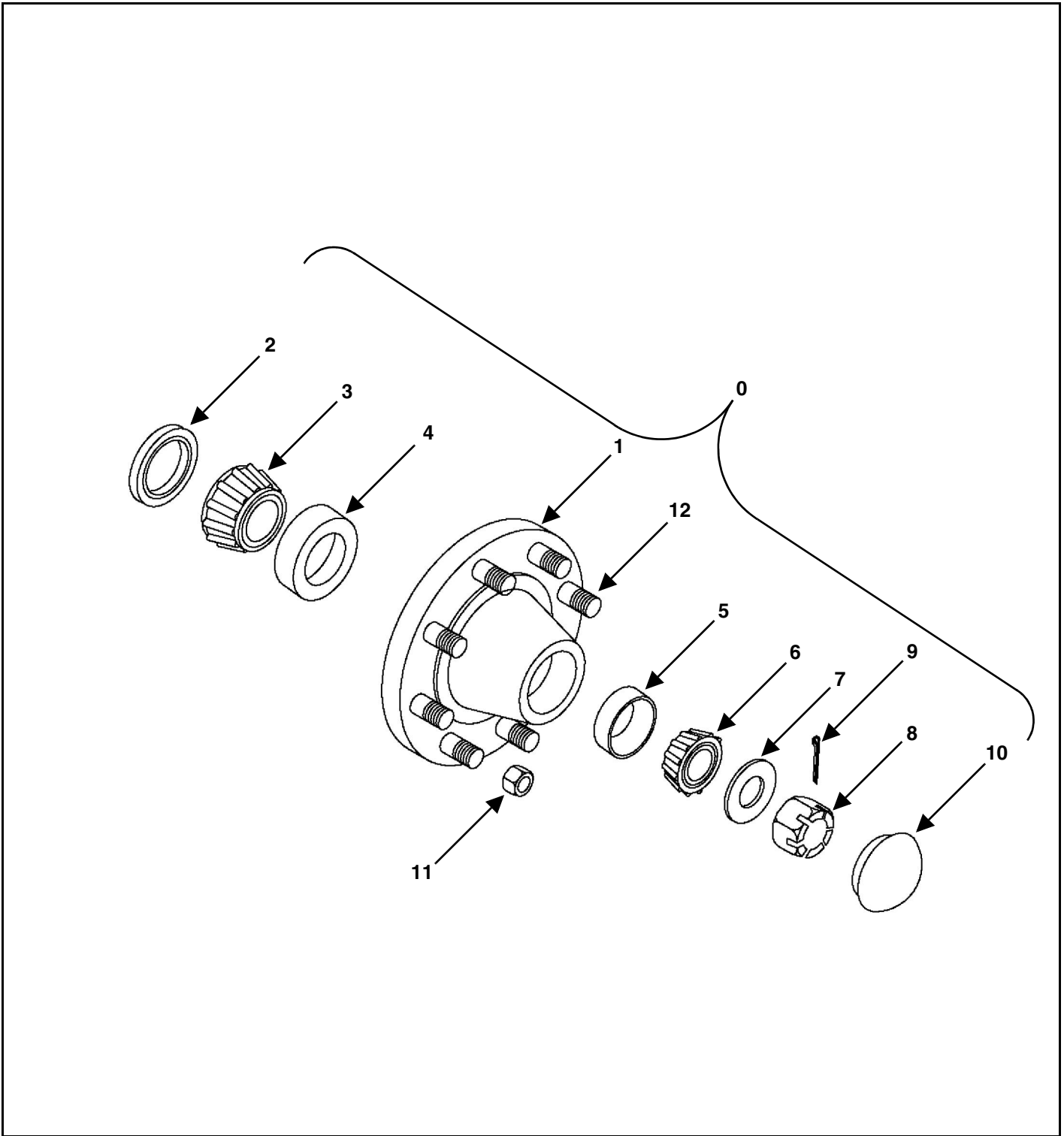
KEY	PART NUMBER	QTY	DESCRIPTION
1	901-3863	1	Tandem O-Beam Welded Assembly Only (SXL2636)
	901-3861-L	1	Left O-Beam Welded Assembly Only (SXL3954)
	901-3890	1	Tandem O-Beam Welded Assembly With Hubs (SXL2636)
	901-3899	1	Left O-Beam Welded Assembly With Hubs (SXL3954)
2	901-3863	1	Tandem O-Beam Welded Assembly Only (SXL2636)
	901-3861-R	1	Right O-Beam Welded Assembly Only (SXL3954)
	901-3890	1	Tandem O-Beam Welded Assembly With Hubs (SXL2636)
	901-3898	1	Right O-Beam Welded Assembly With Hubs (SXL3954)
3	See Page 82	4	Hub Assembly
4	901-0767-3	2	O-Beam Pivot Collar
5	901-0767-2	2	O-Beam Pivot Shaft
6	881-7510-6Z	2	3/4"-10 x 6" Hex Cap Screw
7	885-7510-Z	2	3/4"-10 Nylon Insert Lock Nut
8	901-3922-HD	1	Right O-Beam Welded Assembly Only (SXR400)
	901-3911	1	Right O-Beam Welded Assembly Only (SXR500)
	901-7400-2	1	Right O-Beam Welded Assembly With Hubs & Nylon Pivot Sleeves (SXR400)
	901-7500-2	1	Right O-Beam Welded Assembly With Hubs & Nylon Pivot Sleeves (SXR500)
9	901-3921-HD	1	Left O-Beam Welded Assembly Only (SXR400)
	901-3904	1	Left O-Beam Welded Assembly Only (SXR500)
	901-7400-1	1	Left O-Beam Welded Assembly With Hubs & Nylon Pivot Sleeves (SXR400)
	901-7500-1	1	Left O-Beam Welded Assembly With Hubs & Nylon Pivot Sleeves (SXR500)
10	901-3904-1-3	4	Nylon Pivot Sleeve
11	901-3905	2	Axle Sleeve Welded Assembly

SXL2636 SINGLE AXLE COMPONENTS



KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 82	2	Hub Assembly
2	901-0643-1-3	2	Spindle
3	885-5013-Z	2	1/2"-13 Nylon Insert Lock Nut
4	881-5013-6.5Z	2	1/2"-13 x 6-1/2" Hex Cap Screw

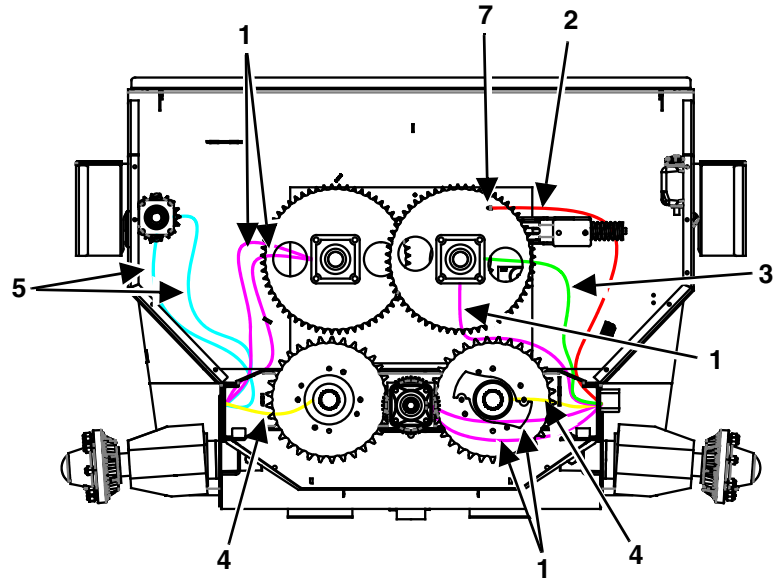
HUB ASSEMBLY



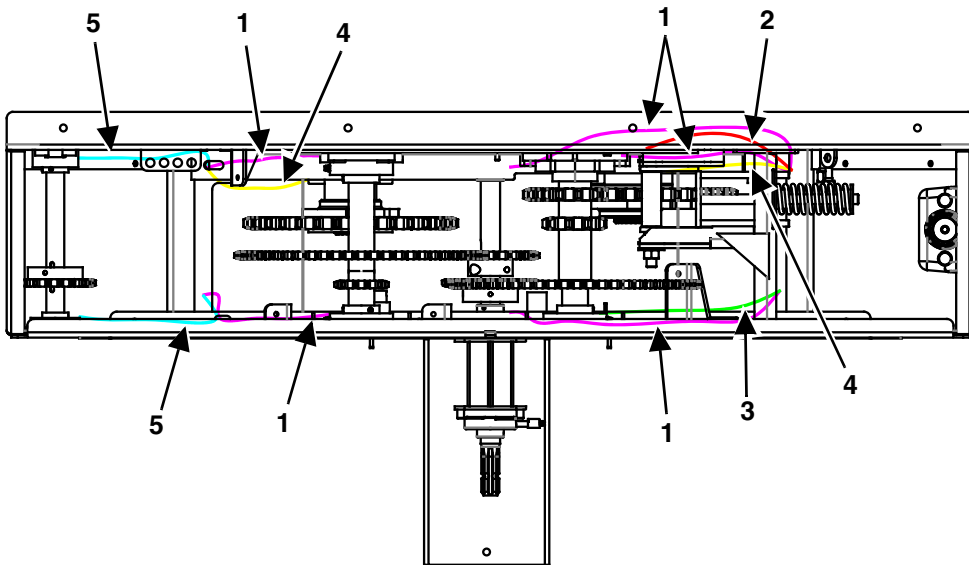
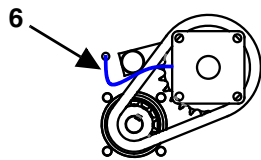
KEY	PART NUMBER	QTY	DESCRIPTION
0	75-0205A	2/4	Hub Assembly Complete (SXL2636 / SXL2636T & SXR400)
	75-0207A	4	Hub Assembly Complete (SXL3954 & SXR500)
1	75-0205-1	1	Hub With Races & Studs (SXL2636 & SXR400)
	75-0207-1	1	Hub With Races & Studs (SXL3954 & SXR500)
2	75-0205-2	1	Grease Seal (SXL2636 & SXR400)
	75-0207-2	1	Grease Seal (SXL3954 & SXR500)
	75-0207-2-SC	1	Grease Seal For Spindle Load Cell (SXL3954 & SXR500)
3	75-0205-3	1	Inner Wheel Bearing (SXL2636 & SXR400)
	75-0207-3	1	Inner Wheel Bearing (SXL3954 & SXR500)
4	75-0205-4	1	Inner Wheel Race (SXL2636 & SXR400)
	75-0207-4	1	Inner Wheel Race (SXL3954 & SXR500)
5	75-0202-4	1	Outer Wheel Race
6	75-0202-3	1	Outer Wheel Bearing
7	75-0205-7	1	Washer
8	75-0205-8	1	Nut
9	75-0205-9	1	Cotter Pin
10	75-0205-10	1	Cap
11	75-0205-11-H	8	5/8"-18 Grade Lug Nut
12	75-0205-12	8	5/8"-18 x 2-1/4" Stud Bolt (SXL2636 & SXR400)
	75-0207-12	8	5/8"-18 x 2-1/2" Stud Bolt (SXL3954 & SXR500)
NS	30-0002	1	1/8" NPT Straight Zerk

FRONT GREASE HOSES

FRONT DRIVE SYSTEM FRONT VIEW



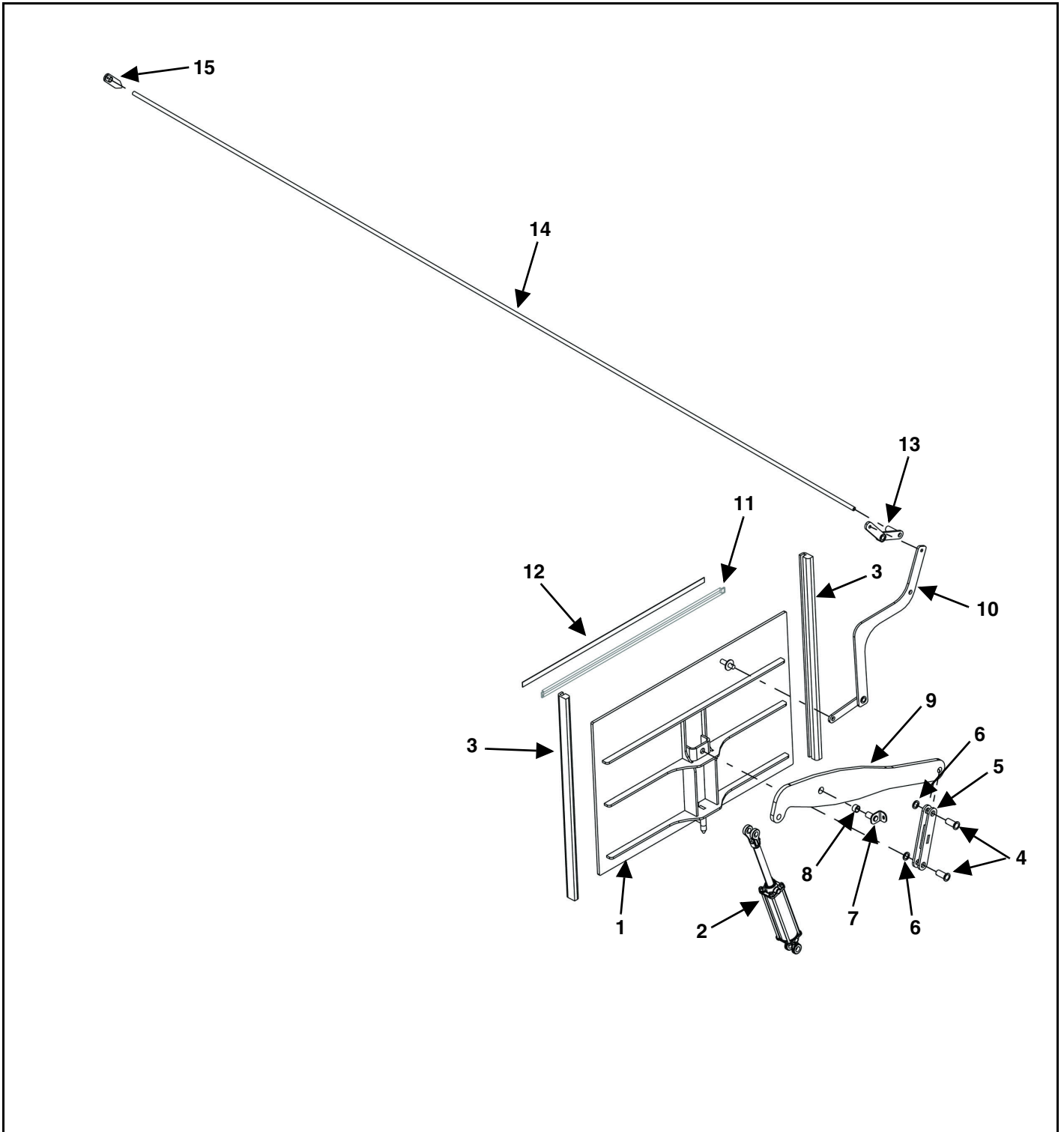
THIRD AUGER DRIVE



FRONT DRIVE SYSTEM TOP VIEW

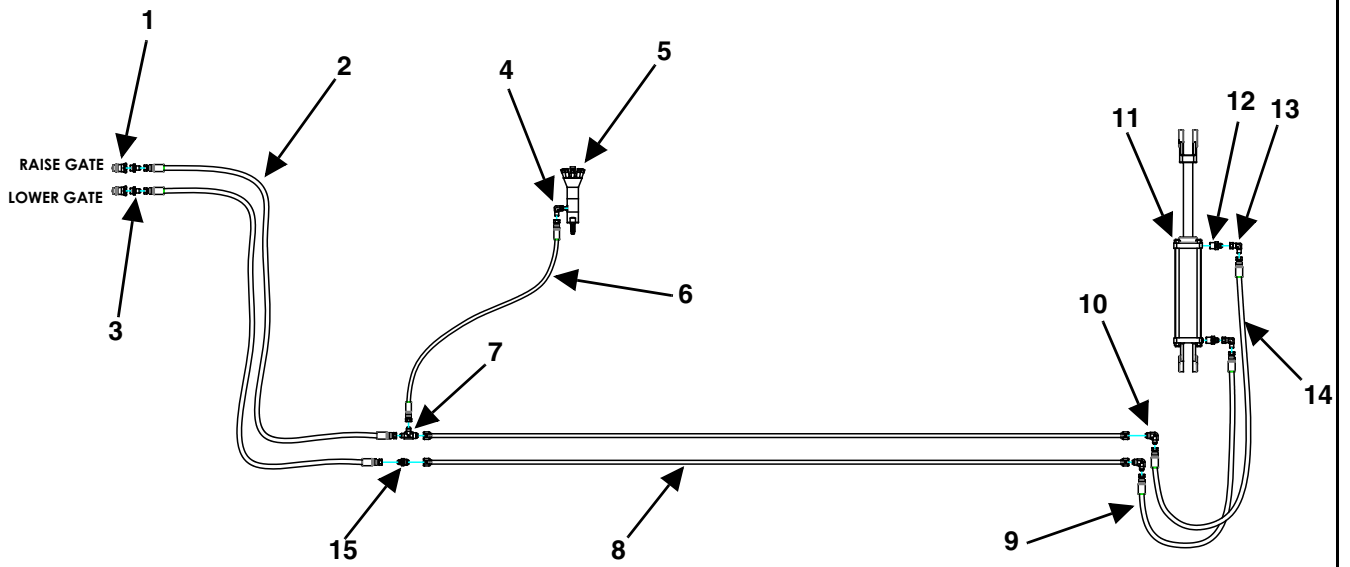
KEY	PART NUMBER	QTY	DESCRIPTION
1	155-02R7-28-1-1	5	1/8" x 28" Grease Hose Assembly
	155-2GK-NUT	5	1/8"-27 Bulkhead Adaptor Nut
	30-0001	5	1/4"-28 Straight Grease Fitting
2	155-02R7-47-1-1	1	1/8" x 47" Grease Hose Assembly
	155-2GK-NUT	1	1/8"-27 Bulkhead Adaptor Nut
	30-0001	1	1/4"-28 Straight Grease Fitting
3	155-02R7-31-1-1	1	1/8" x 31" Grease Hose Assembly
	155-2GK-NUT	1	1/8"-27 Bulkhead Adaptor Nut
	30-0001	1	1/4"-28 Straight Grease Fitting
4	155-02R7-17-1-1	2	1/8" x 17" Grease Hose Assembly
	155-2GK-NUT	2	1/8"-27 Bulkhead Adaptor Nut
	30-0001	2	1/4"-28 Straight Grease Fitting
5	155-02R7-35-1-1	2	1/8" x 35" Grease Hose Assembly
	155-2GK-NUT	2	1/8"-27 Bulkhead Adaptor Nut
	30-0001	2	1/4"-28 Straight Grease Fitting
6	955-3761	1	1/8" x 10" Grease Hose Assembly
7	30-0020	1	1/8" NPT Street 90 Degree Elbow

REAR GATE



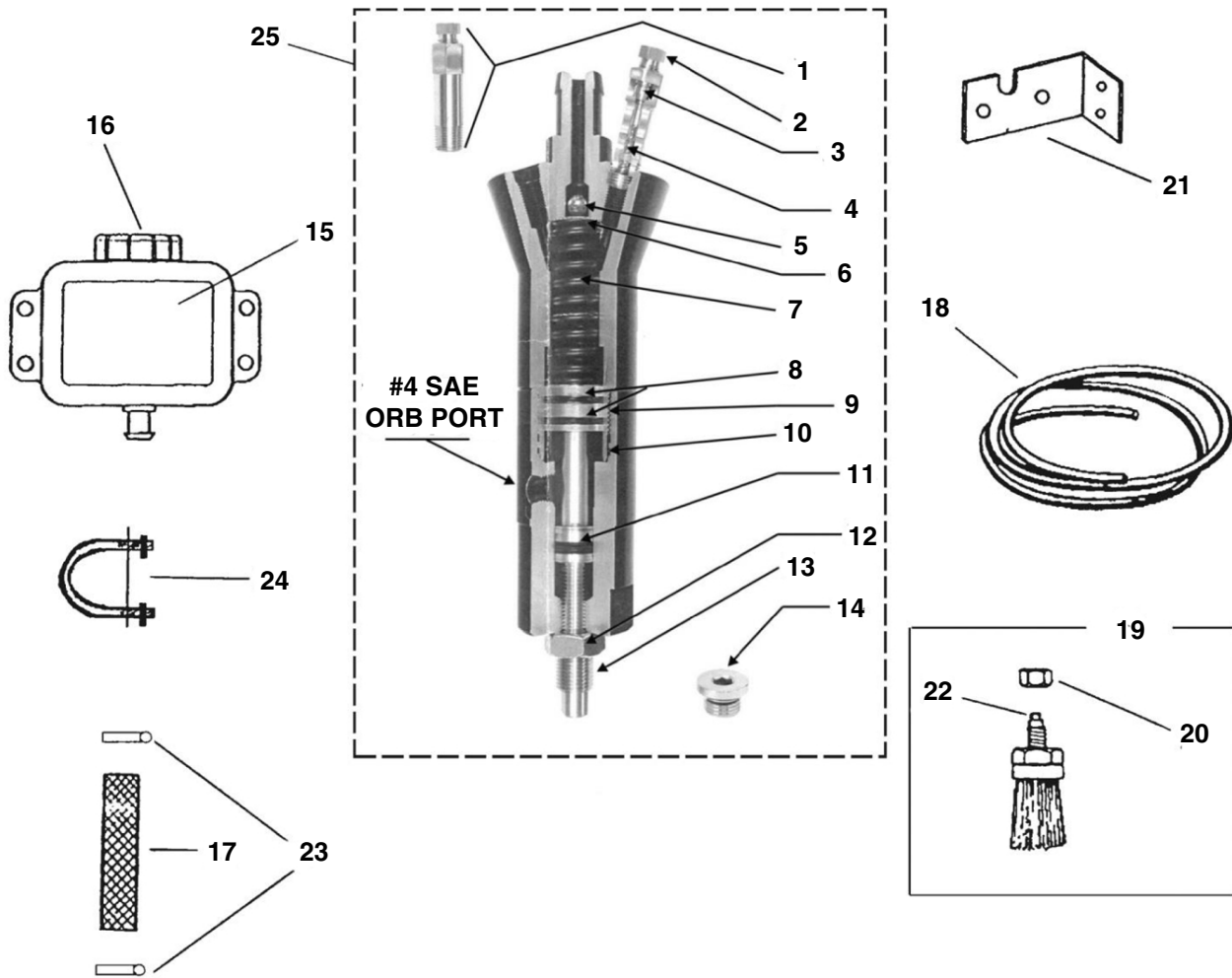
KEY	PART NUMBER	QTY	DESCRIPTION
1	901-0584	1	Rear Door Weldment (SXL2636/3954 & SXR400)
	901-0782	1	Rear Door Weldment (SXR500)
2	See Page 88	1	3" x 10" x 1-1/4" Hydraulic Cylinder
3	949-0503	2	Poly Door Slide
4	625-0026	2	Stake Pin Welded Assembly
5	901-0587	1	Door Link Weldment
6	808-1-1.5-10-Z	2	1" Washer
7	M6-1-4-0006	1	Door Link Pivot Weldment
8	M6-1-8-0006-2	1	Spring Bushing 1" ID x 1-1/4" OD x 3/4"
9	901-0588	1	Door Arm Assembly With Spring Bushing
10	925-0602	1	Gate Indicator Linkage (SXR500 Only)
11	949-0505	1	Door Seal Poly
12	901-0610-26	1	Door Seal Spacer
13	925-3767	1	Indicator Linkage Arm Welded Assembly (SXR500 Only)
14	925-5004-1	1	Gate Indicator Pipe (SXR500 Only)
15	925-0508	1	Gate Indicator Weldment (SXR500 Only)

STANDARD HYDRAULICS



KEY	PART NUMBER	QTY	DESCRIPTION
1	155-8010-15	2	ORB Male Tip
2	155-06R17-162-1	2	3/8" x 162" Hose
3	155-6400-6-8	2	Straight Adapter Union
4	155-6801-06-04	1	90 Degree Adjustable Elbow
5	See Page 90	1	Oiler Body Pump Assembly, Complete
6	155-04R17-19-1	1	1/4" x 19" Hose
7	155-2603-08-06-06	1	Tee
8	55-0366	2	1/2" x 148-3/8" Hydraulic Pipe (SXL2636)
	55-0365	2	1/2" x 218-7/8" Hydraulic Pipe (SXL3954)
	55-0364	2	1/2" x 183-3/8" Hydraulic Pipe (SXR400/500)
9	155-06R17-28-1	1	3/8" x 28" Hose
10	155-2500-08-06	2	90 Degree Elbow
11	155-3-10-1.25-1	1	3" x 10" x 1-1/4" Hydraulic Cylinder
	155-SK-6	1	Monarch Seal Kit
	955-3802-3-MAXIM	1	Maxim Seal Kit
12	155-2404-06-08	2	Straight Adapter Union (Prior to SN SX21390281)
13	155-6500-06-06	2	90 Degree Elbow (Prior to SN SX21390281)
	155-6801-6-8	2	90 Degree Elbow (SN SX21390281 & Later)
14	155-06R17-40-2	1	3/8" x 40" Hose
15	155-2403-08-06	1	Straight Union

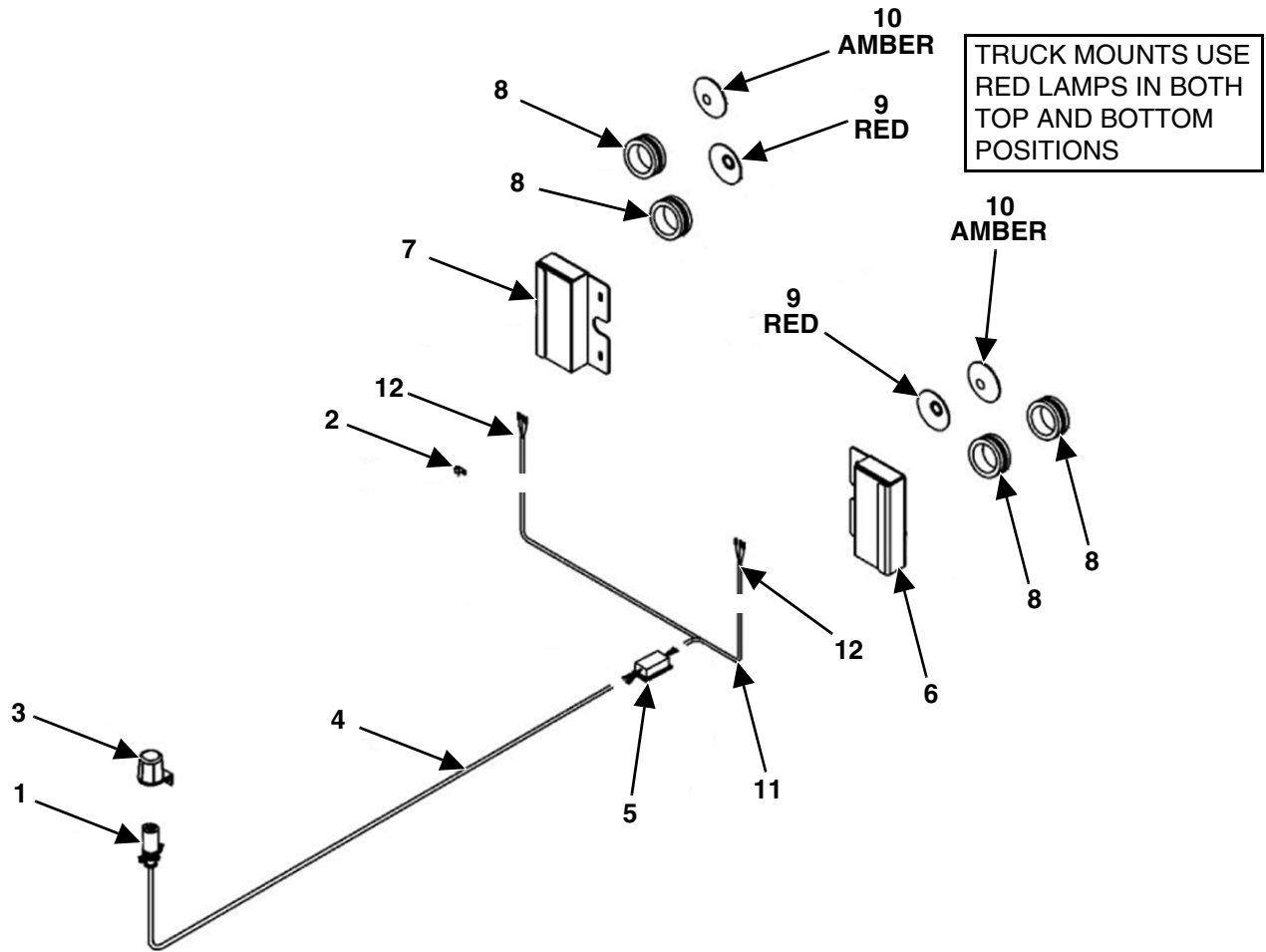
OIL-KIT



SXI-P-018

KEY	PART NUMBER	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	952-0001-1-20	Tubing 5/8" ID Clear Polybraid
18	952-0001-1-21	Tubing 5/32" Nylon (Feet)
19	952-0001-1-25	Brush Assembly No 5/32" Insert
20	813-5020-Z	1/2-20 Plated Nut
21	952-0001-1-17	Bracket Oiler Mounting Pump
22	952-0001-1-14	5/32" Push In Insert (Nycoil)
23	952-0001-1-30	1" Hose Clamp
24	952-0001-1-31	U-Bolt Assembly # 9
25	952-0001-1-36	Oiler Body Pump Assembly, Complete

HIGHWAY LIGHTS



SXI-P-019

KEY	PART NUMBER	QTY	DESCRIPTION
1	56-0005-4	1	7-Contact Plug End Only, w/Spring
2	56-0008	1	Harness Frame Clip
3	56-0009	1	Stor-A-Way Plug Holder
4	56-0037	22.5	4 Conductor Trailer Cable (Per Foot) (SXL2636)
	56-0037	28.5	4 Conductor Trailer Cable (Per Foot) (SXL3954)
	56-0037	25.5	4 Conductor Trailer Cable (Per Foot) (SXR400/500)
5	56-0084	1	LED Ag Enhancer Module
6	See Page 64	1	Left Light Mount Bracket Weldment
7	See Page 64	1	Right Light Mount Bracket Weldment
8	56-0092	4	4" Round Grommet
9	56-0090	2/4	4" Red Stop/Tail/Turn LED Lamp
10	56-0091	2/0	4" Amber Turn/Warning Lamp
11	56-0130-1	1	LED Light Y-Harness
12	56-0130-2	2	Pigtail Light Plug Lead



11.0 SPECIFICATIONS

DIMENSIONS / SPECIFICATIONS				
	SXL2636	SXL3954T	SXR400T	SXR500T
CAPACITY				
Bushels (heaped) - No Ext	260	390	400	500
Bushels (heaped) - With Ext	360 (9" ext.)	540 (9" ext.)	465 (4" ext.)	N/A
Gallons/Cu.ft. (struck) - No Ext	1355/181	2033/272	1870/250	2433/324
Gallons/Cu.ft. (struck) - With Ext	1745/233 (9" ext.)	2617/350 (9" ext.)	2150/280 (4" ext.)	N/A
DIMENSIONS				
Overall Length	20'	26'	23'	23' 7-1/2"
Inside Tank Length	12'	18'	15'	15'
Loading Height	58-3/4" W/14L x 16.1	61-3/4" W/16.5L x 16.1	66-3/4" W/14L x 16.1	77" W/16.5L x 16.1
Loading Height With Ext.	67-3/4" W/14L x 16.1	70-3/4" W/16.5L x 16.1	70-3/4" W/14L x 16.1	
Overall Height - Top of Splashguard	69-1/4" W/14L x 16.1	72-1/4" W/16.5L x 16.1	74-1/4" W/14L x 16.1	85-3/4" W/16.5L x 16.1
* Height W/Optional Tire	+1-1/2" W/16.5L x 16.1	+1" W/19L x 16.1	+1-1/2" W/16.5L x 16.1	+1" W/19L x 16.1
Overall Width - Outside Tires	86-3/4" W/14L x 16.1 91-3/4" W/16.5L x 16.1 +11" W/Tandem Axle	104" W/16.5L x 16.1 107-3/4" W/19L x 16.1	96-1/2" W/14L x 16.1 101-1/2" W/16.5L x 16.1	103" W/16.5L x 16.1 106-3/4" W/19L x 16.1
Width - Top of Tank	74"	74"	77"	84.5"
SPECIFICATIONS				
Total Weight (lbs)	Single Axle - 6,900# Tandem Axle - 7,840#	9,720#	8,210#	9,220#
Maximum Load Net (lbs)	Single Axle - 10,000# Tandem Axle - 18,000#	24,000#	18,000#	24,000#
Lower Auger Diameter	20"	20"	20"	20"
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	Standard	Standard	Standard
Drive - PTO-RPM	540 RPM - 1 3/8" Constant Velocity	540 RPM - 1 3/8" Constant Velocity	540 RPM - 1 3/8" Constant Velocity	540 RPM - 1 3/8" Constant Velocity
Driveline Protection	Overrunning Torque Disconnect Clutch W/ Shear Bolt Auger Protection	Overrunning Torque Disconnect Clutch W/ Shear Bolt Auger Protection	Overrunning Torque Disconnect Clutch W/ Shear Bolt Auger Protection	Overrunning Torque Disconnect Clutch W/ Shear Bolt Auger Protection
Roller Chain Drive - Auger	#80 - #120	#80 - #120	#80 - #120	#80 - #120
Roller Chain Drive - Expeller	#80	#80	#80	#80
Roller Chain Auto Oiler	Standard	Standard	Standard	Standard
Expeller Speed (RPM)	660	660	660	660
Expeller Diameter	23"	23"	23"	23"

DIMENSIONS / SPECIFICATIONS

	SXL2636	SXL3954T	SXR400T	SXR500T
TANK CONSTRUCTION				
Thickness - Auger Troughs	3/16"	3/16"	3/16"	3/16"
Thickness - Tank Sides	3/16"	3/16"	3/16"	3/16"
Frame Construction	HD Formed Channel	HD Formed Channel	HD Formed Channel	HD Formed Channel
Door Opening	30" x 46"	30" x 46"	30" x 46"	30" x 46"
Spindle Size	2 3/4" Sleeved	3" Sleeved	2 3/4" Sleeved	3" Sleeved
Hub	8 bolt - 6,000#	8 bolt - 8,000#	8 bolt - 6,000#	8 bolt - 8,000#
Splash Shields - Standard	Flat (Low Clearance)	Flat (Low Clearance)	Flat (Low Clearance)	Angled
Transport Light w/Ag Plug	Standard LED	Standard LED	Standard LED	Standard LED
Tractor Requirements - PTO HP (Min.)	75	110	95	110
OPTIONS				
1000 RPM 1 3/8" - 21 spline	Optional	Optional	Optional	Optional
Tandem Axle	Optional	Standard	Standard	Standard
HD Axle Package	N/A	Optional	Optional	Optional
7-1/2" Extended Hitch (for dual wheeled tractors)	Optional	Optional	Optional	Optional
Hydraulic Lid	N/A	Optional	N/A	Optional
Poultry Litter Package	Optional	Optional	Optional	Optional
Scale Package	N/A	Optional	N/A	Optional
Safety Chain / SMV Sign	Optional	Optional	Optional	Optional
Truck Mount Version	N/A	Optional	N/A	Optional



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