

PB-SXRG-SXLG

Patented

U.S. Patent NO.

5,368,236

5,501,404



SXR / SXL GEN 2

SXR400T • SXR500T • SXR600T • SXL2636 • SXL2636T •
SXL3954T

Owner/Operator's Manual & Parts Book

Starting 2025 Model Year

IMPORTANT: Model Type SXG Serial Numbers Only



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 THE SERIAL NUMBER

EXAMPLE: SXG26600201

Model Type / Model Year / Model / Sequence Of Build



SXG



26



600



201

Meyer Manufacturing Corporation
674 W. Business Cty Rd A
Dorchester, WI 54425
Phone: 1-800-325-9103
Fax: 715-654-5513
Email: parts@meyermfg.com
Website: www.meyermfg.com



2.0 PRE-DELIVERY & DELIVERY CHECK LIST

MEYER MANUFACTURING CORPORATION

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

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

PRE-DELIVERY CHECK LIST

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

The following is a list of points to inspect:

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

- ☐ All shields and guards are in place and securely fastened.
- ☐ All bolts and other fasteners are secure and tight.
- ☐ All mechanisms operate trouble free.
- ☐ All grease fittings have been lubricated, gear boxes filled to proper levels and all roller chains are oiled. Refer to 8.2 LUBRICATION.
- ☐ PTO shields turn freely.
- ☐ All roller chain and belt springs adjusted properly for automatic tensioning. Refer to 8.3 ADJUSTMENTS.
- ☐ All stop/tail/turn lights work properly.
- ☐ All decals are in place and legible.

DELIVERY CHECK LIST

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

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

- ☐ Explain to the customer that pre-delivery check list was fully completed.
- ☐ Give customer the Owner & Operator's Manual. Instruct to read and completely understand its contents **BEFORE** attempting to operate the spreader.
- ☐ Explain and review with customer the new Meyer Spreader manufacturer's warranty.
- ☐ Show the customer where to find the serial number on the implement.
- ☐ Explain and review with the customer the **SAFETY PRECAUTIONS** on page 14.
- ☐ 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 8.2 LUBRICATION and 8.3 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 CHECK LIST 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 or tractor.

The SXR / SXL spreader may be referred to as 2636, 3954, 400, 500, 600, SXR, SXL, implement, spreader or machine 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 implement 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 implements 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.



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 Implements shall apply only to the original retail customer from an authorized Meyer Mfg. Corp. dealership.
- II This warranty shall not apply to any Meyer Implement which has been subjected to misuse, negligence, alteration, accident, incorrect operating procedures, has been used for an application not designed for or preauthorized 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 Implements 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 implements which is defective in material or workmanship:
 - i Without charge for either parts or labor during the first (1) year from purchase date to the original retail customer.
 - B. In addition to the above basic warranty, Meyer Mfg. Corp. will repair or replace F.O.B. Dorchester, WI as Meyer Mfg. Corp. elects:
 - i Any part of the following which is defective in material or workmanship (not neglect to recommended use and service) with a "pro-rated" charge for parts only (not labor) during the stated time period from date of purchase to the original retail customer:

Seven (7) Years: a. The spreader tank body is warranted against rust through (Pro-rated parts only). Parts included, front and rear end panels, side panels and auger trough.
- IV COMMERCIAL USE: Coverage as in paragraph III.A.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 Implement 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.



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5.0 SAFETY

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

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 implement, read and study the following safety information. In addition, make sure that every individual who operates or works with the implement, 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 implement 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!



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.



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



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.



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



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

- DO NOT allow anyone to operate, service, inspect or otherwise handle this implement until all operators have read and understand all of the instructional materials in this Owner / 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 implement.
- DO NOT operate until all shields and guards are in place and securely fastened.
- DO NOT step up on any part of the implement at any time.
- DO NOT adjust, clean or lubricate while the implement 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 implement before starting it!
- Make certain everyone is clear of the implement 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. Refer to 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.
- **When towing the implement on public roads**, a safety chain of sufficient strength to support the gross weight of the implement must be used. (See Maximum Load Weight Chart in LOADING on page 32). The safety chain should be attached per diagram in section Safety Chain on page 28.
- Use only properly rated undercarriage and tires.

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:

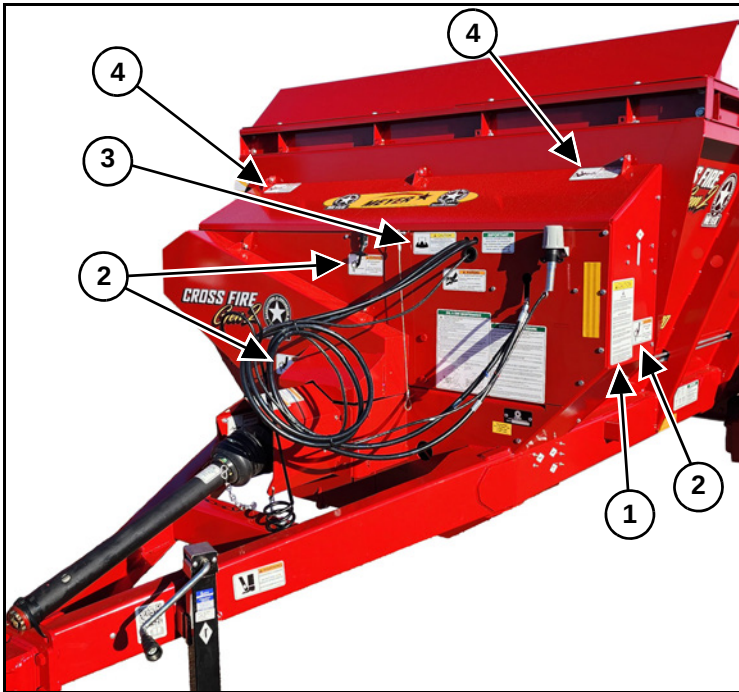
- Check hydraulic tubes, hoses and fittings for damage and leakage. Never use hands to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.
- Always clean fluid spills. Do not use gasoline or diesel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

5.2 SAFETY SIGNS



Read all safety signs on the implement 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

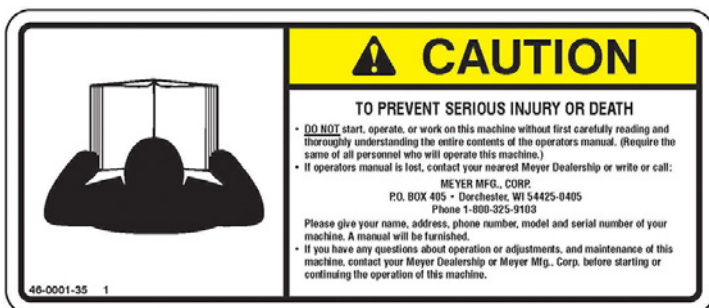


2



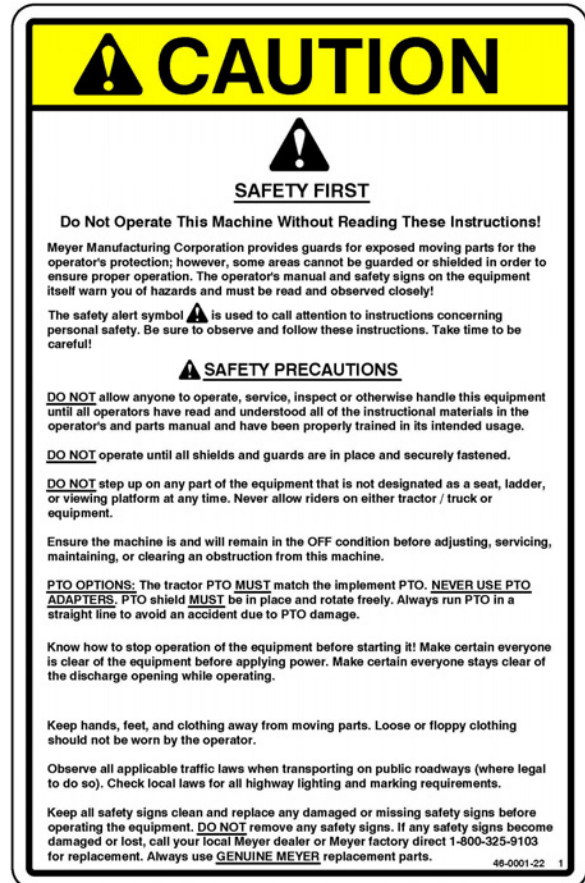
PART NO. 46-0001-4

3



PART NO. 46-0001-35

1



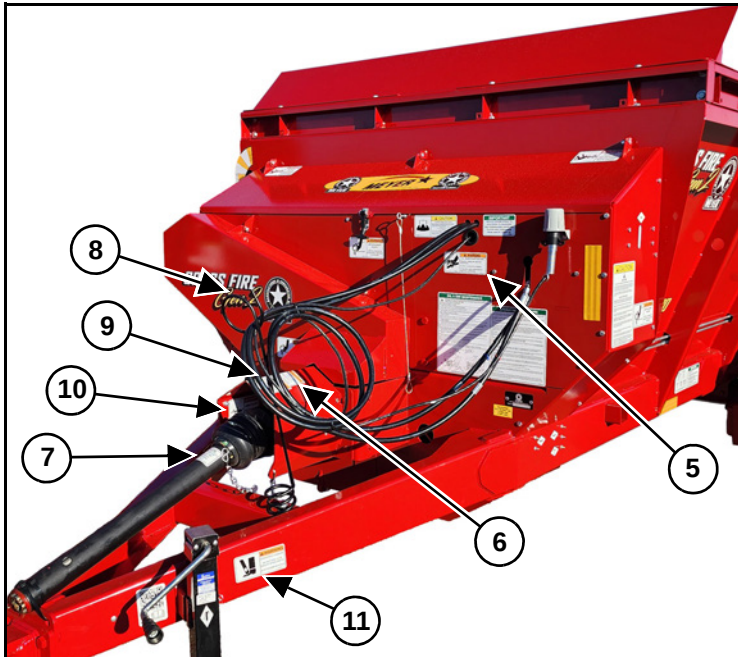
PART NO. 46-0001-22

4



PART NO. 46-0001-5

FRONT OF SPREADER



PART NO. 46-8500-7



PART NO. 46-3600-9



PART NO. 46-0001-13



PART NO. 46-0001-26
(Located Under Shield)



PART NO. 46-0004-2

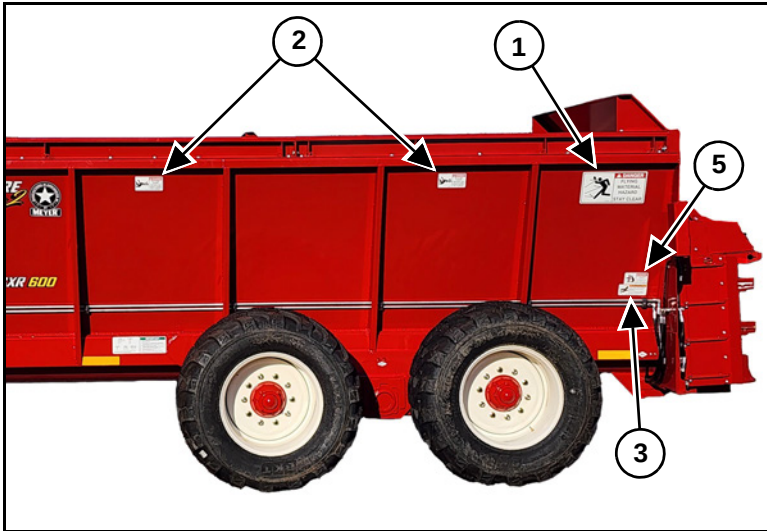


PART NO. 46-3600-2
(Located Under Shield)



PART NO. 46-3600-6

LEFT SIDE OF SPREADER



PART NO. 46-7500-6



PART NO. 46-0001-5



PART NO. 46-8500-7

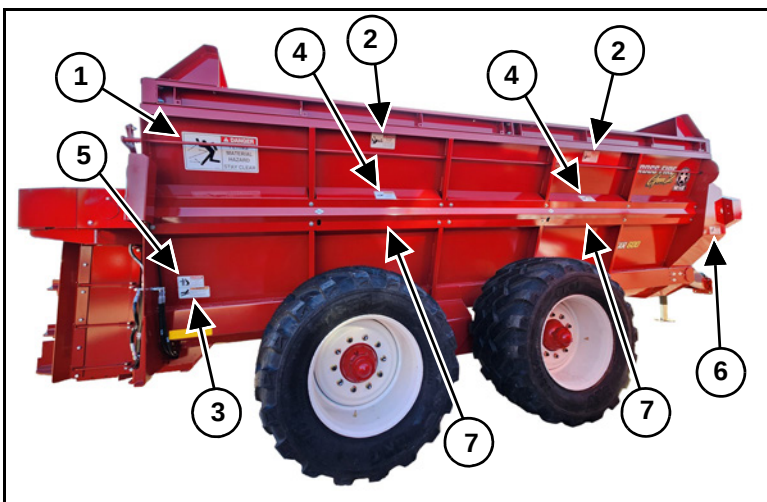


PART NO. 46-9500-4



PART NO. 46-3600-9

RIGHT SIDE OF SPREADER

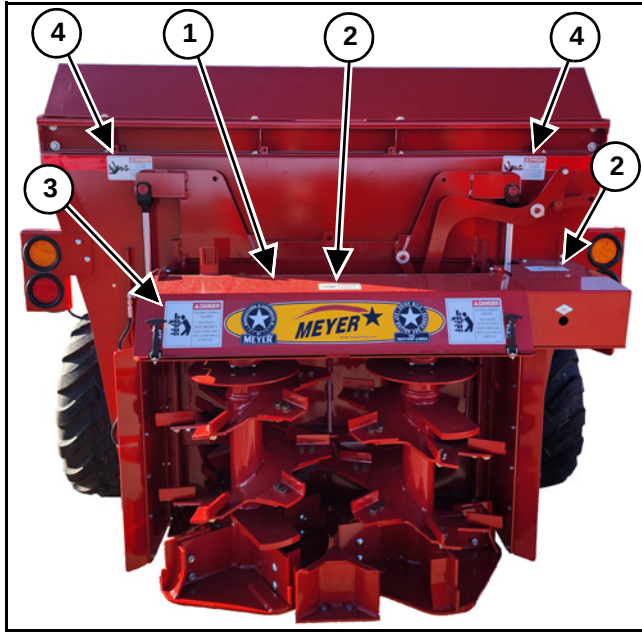


PART NO. 46-0001-4



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

REAR OF SPREADER



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



PART NO. 46-3600-9



PART NO. 46-0001-248

FRONT OF SPREADER UNDER ACCESS PANEL



PART NO. 46-0001-5



PART NO. 46-0001-26

5.3 SHUTOFF & LOCKOUT POWER



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 movable 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



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



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

Verify that the implement is securely hitched to the tractor/truck.

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

Wear safety glasses to prevent eye injury when any of the following conditions exist:

- When fluids are under pressure.
- Flying debris or loose material is present.
- Tools are being used.

6.1 STATIC INSPECTION



Hydraulic fluid escaping under pressure can have sufficient force to cause injury. Keep all hoses and connections in good serviceable condition.

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. Refer to 8.2 LUBRICATION.
3. Lubricate the equipment. Refer to 8.2 LUBRICATION.
4. Make sure 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 hydraulic and gear box oil level. Refer to 8.2 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 repair immediately or replacement is necessary.
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. Refer to 8.6 WHEELS AND TIRES.
15. Inspect the condition of axles, o-beams, spindles, and safety lighting. Repair or replace as required.
16. Inspect the tension and condition of the spinner drive belts. Replace if broken or damaged. Refer to 8.3.9 Drive Belt Replacement.

6.2 LIGHT HOOK-UP

NOTE: *The lighting system provided is intended for being transported by an agricultural tractor.*

Ensure that lights and indicators are clean and in good working order. When attaching to a towing vehicle other than a tractor always check lighting for proper operation as wiring may vary. Connect to the standardized 7-pin socket located at the back of the tractor.

Color	Function	SAE Terminal	SAE Connector
White	Ground	1	 Viewed From Back
	Not Used	2	
Yellow	Left Turn & Hazard	3	
	Not Used	4	
Green	Right Turn & Hazard	5	
Brown	Tail Lights	6	
	Auxiliary Power	7	

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

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



Do not exceed maximum PSI or a motor failure could result.

Pull Type: Tractor hydraulic system does not exceed 3000 PSI.

Call the factory if additional information is needed.

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

6.4 PTO DRIVELINE OPTION



Do not operate without PTO guard on implement and tractor. Maintain PTO drive shaft guard in good operating condition. Replace them if damaged and not turning freely.

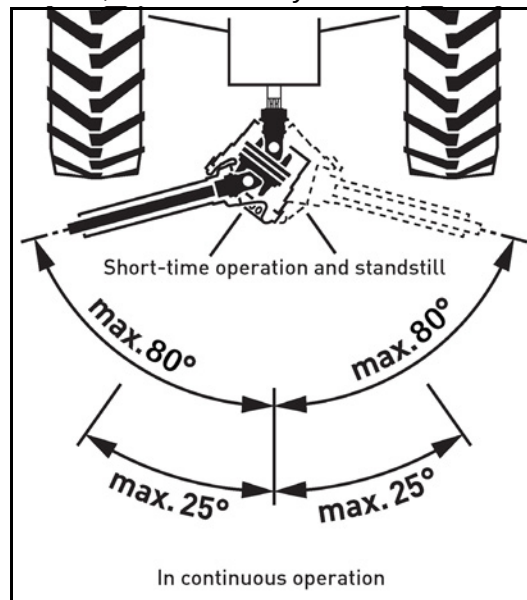


Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

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 implement driveline.

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

See the ADMA Safety Manual for further safety situations and precautions, ensure all operators become familiar with it. For a replacement manual, call the factory at 1-800-325-9103.



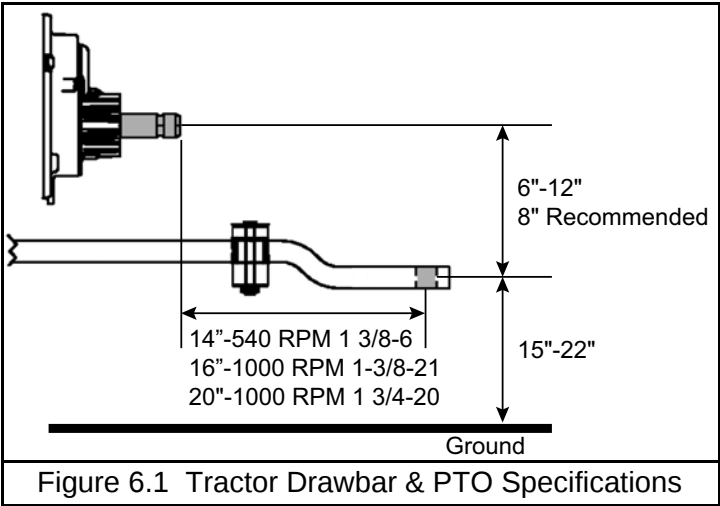
IMPORTANT

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 exerts excessive pressures on the PTO input center shaft and related bearings.

6.5 TRACTOR DRAWBAR SETUP

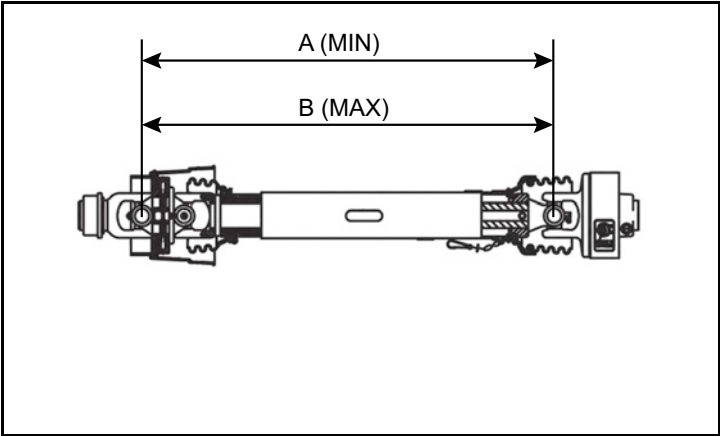
This implement may be either 540 or 1000 RPM depending on the model. Do not operate 540 RPM implements at 1000 RPM, or 1000 RPM implements at 540 RPM. No PTO adapter should be used to alter speed or geometry.

Set the tractor drawbar to conform to the standard dimensions as shown. An improperly located hitch point may cause damage to the universal joints of the PTO drive shaft. This will ensure that the PTO drive shaft will not be over extended.



An improperly positioned 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 implement test PTO travel by turning equipment in both directions observing the minimum (A) and maximum (B) travel dimensions.



PTO PART NUMBER	A	B
918-0515 (540 RPM)	40.16"	54.80"
918-0516 (1000 RPM)	40.16"	54.80"

6.6 HITCHING TO TRACTOR



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

Before hitching to the tractor, make sure that there is sufficient ballast on the front axle of the tractor.

Depending on conditions, the ballast weight needs to be adjusted to optimize tractor drive. The front axle load must never, under any circumstances, be less than 20% of the tractor's unladen weight.

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

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.

See section 6.6.1 Jack Storage to store the jack properly.

6.6.1 Jack Storage

After hitching the spreader to the tractor.

Using the handle, raise the jack off the ground and remove the pin. Move the jack to the storage mount (Item 1) located on the front left hand side of the spreader drive enclosure. Store in a horizontal position. Reinstall the pin to lock the jack into the transport position.

Note: Keeping jack stored in proper position will keep it from getting damaged during transportation.

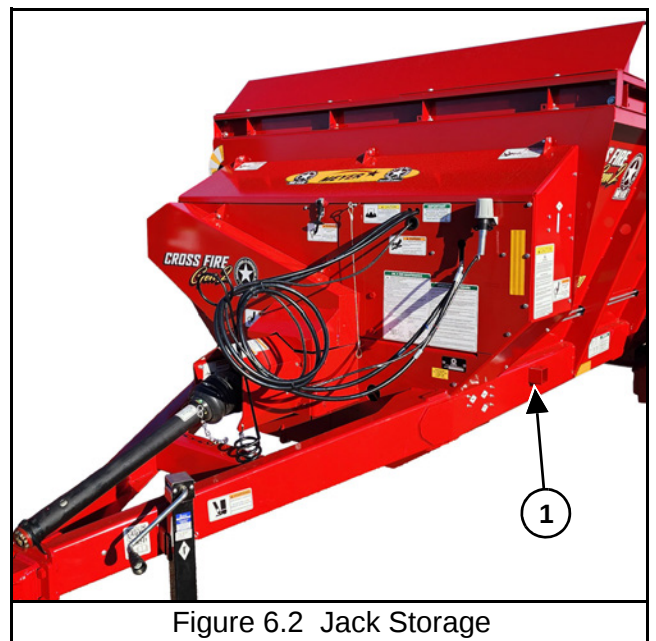


Figure 6.2 Jack Storage

6.7 START-UP AND SHUT-DOWN



Disengage electric/ 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 from moving components.



Shutoff and lockout power before adjusting, servicing, 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 implement until all operators have read and understand all of the instructional materials in this Owner / Operator's and Parts Manual and have been properly trained in its intended usage.

Before operating the implement, look in all directions to ensure there are no bystanders, especially small children, in the work area.

6.7.1 Start-Up

1. Make sure spreader is empty.
2. Enter the tractor or truck and start the engine.
3. Slowly engage the PTO and operate at idle speed.

6.7.2 Shut-Down

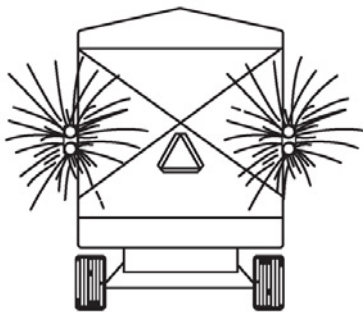
1. Disengage the PTO.
2. Park the spreader on a flat, level surface.
3. Engage the parking brake, stop the engine and exit the tractor / truck.

6.8 TRANSPORTING

CAUTION

- DO NOT allow anyone to operate, service, inspect or otherwise handle this implement until all operators have read and understand all of the instructional materials in this Owner/Operator's and Parts Manual and have been properly trained in its intended usage.
 - Before operating the implement, look in all directions to ensure there are no bystanders, especially small children, 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).
 - Adhere to 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



- 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 (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.

(Tractor Powered) Do not tow at speeds in excess of 20 mph.

IMPORTANT

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

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.*

6.8.1 Safety Chain



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 implement.

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 implement.

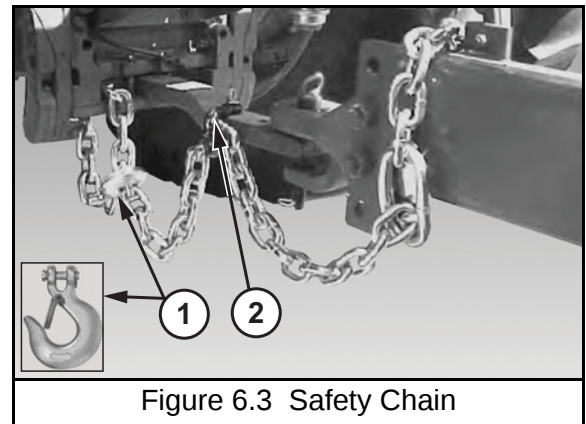


Figure 6.3 Safety Chain

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.

6.8.2 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. A tractor with this recommended weight for your machine is normally adequate for towing the loaded machine under average conditions.

Note: *Implement Loaded Weight x 0.667 = Minimum Tractor Weight Up to 20 mph*

Model	MAXIMUM IMPLEMENT 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
SXR600	39,060	26,040

6.9 OPTIONAL EQUIPMENT

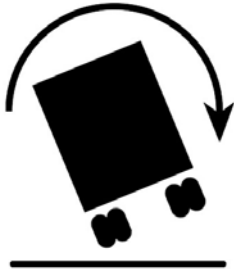
Refer to scale indicator manufacturer's operators manual for operation.

See 8.5.2 Digital Scale Indicator for additional scale maintenance information.



7.0 OPERATION

CAUTION



- DO NOT allow anyone to operate, service, inspect or otherwise handle this implement until all operators have read and understand all of the instructional materials in this Owner / Operator's and Parts Manual and have been properly trained in its intended usage.
- Before operating the implement, look in all directions to ensure there are no bystanders, especially small children, in the work area.
- Do not climb or step on any part of the implement except designated ladders and platforms.
- 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 OPERATIONAL CHECKS

DANGER

Make certain all personnel are clear of the implement and the rotating spinners or beaters before applying power.

WARNING

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

CAUTION

Shutoff and lockout power before adjusting, servicing, 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 implement until all operators have read and understand all of the instructional materials in this Owner / Operator's and Parts Manual and have been properly trained in its intended usage.

Before operating the implement, look in all directions to ensure there are no bystanders, especially small children, in the work area.

Before running material through the spreader for the first time and each time thereafter, follow these steps:

1. Follow the Start-Up procedure section 6.7.1 Start-Up.
2. Raise and lower the gate a couple times.
3. Operate the spreader for approximately 5-10 minutes.
4. Follow the Shut-Down procedure section 6.7.2 Shut-Down.
5. Check drive components to be sure components are not abnormally hot.
6. Check all hydraulic components for leaks.
7. Adjust and lubricate equipment as needed. See Section 8.3 ADJUSTMENTS and Section 8.2 LUBRICATION.

Note: Check chain oiler reservoir oil level. See Section 8.2.8 Automatic Chain Oiler.

7.2 LOADING



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



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

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

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.

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

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.

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

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.

Ensure the rear end gate is completely closed before loading, to prevent packing of material into the beaters and to help prevent leakage during transport.

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

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

IMPORTANT

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 voids warranty and increases risk to the operator's safety. Always be aware of the gross weight.

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	

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
SXR600	39,060	11,060	364	2,724

** Struck capacity, heaped loads significantly increase weight.

When starting to fill the spreader, center the bucket just forward of the axle to maintain proper weight distribution. Continue to fill the spreader evenly while loading.

A hydraulic lid is available for some models to aid in the containment of liquids.

7.3 UNLOADING



Make certain all personnel are clear of the implement and the rotating spinners or beaters before applying power.



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

IMPORTANT

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 by more than one person in control.

NOTE: Unload is best observed from the operator’s seat.

1. Move the tractor/truck and spreader to the unloading area.
2. When ready to begin spreading application on the field, open the rear gate and slowly engage the tractor PTO. 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 provides a 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 varies for each specific condition. The factors that contribute most to differing patterns and widths are 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 the spreading patterns to not have to travel over previously spread manure which can be slippery, resulting in poor traction. Traction on wet grass is also poor. When the resulting pattern requires overlapping during spreading, use precautions on slopes and hills where loss of traction on previously spread manure can be a factor.

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.

NOTES:

- **Failure to idle the tractor before disengaging the PTO causes roller chain over-running and damage to the chain tighteners.**
- **Maximum life of the PTO shaft universal joints results if you stop the PTO while making turns at the end of the field.**

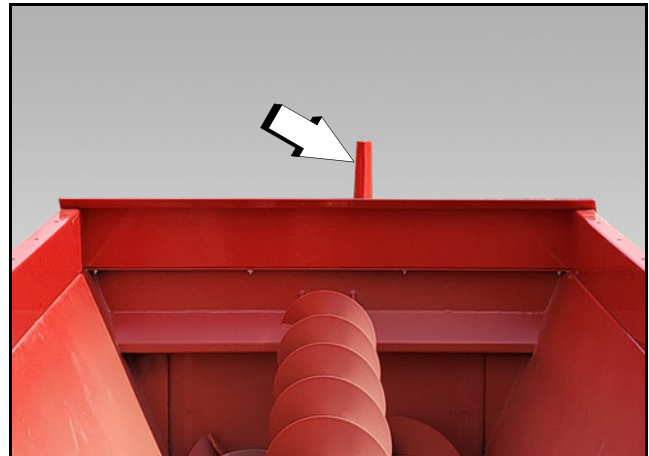


Figure 7.1 Flow Control Gate Indicator
SXL2636/SXL3954/SXR400

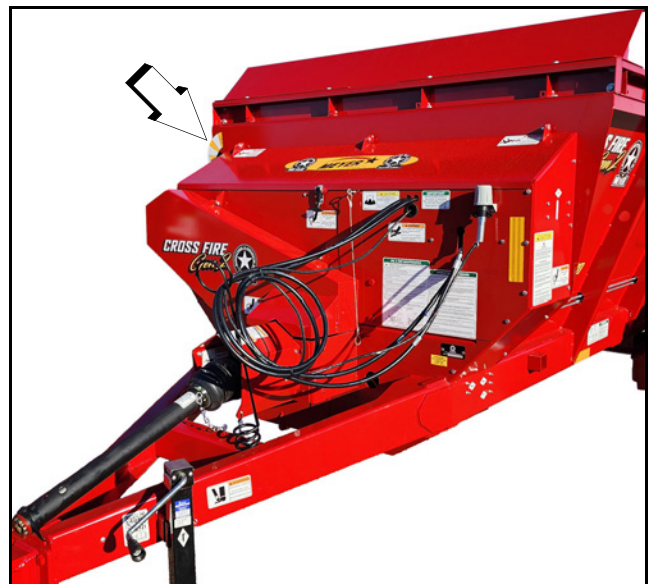


Figure 7.2 Flow Control Gate Indicator
SXR500/SXR600

7.3.1 PTO Cutout 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 start up is done in an abrupt or reckless manner. It will also disengage from foreign materials entering the expeller area of the spreader. It may also disengage if the apron speed is too fast for the expellers to properly remove the manure from the spreader. If PTO clutch fails to re-engage it will be necessary to remove the foreign object from the spreader before restarting.

7.4 SHEAR SPROCKET

The Meyer Spreader 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 are always be accessible without turning over the machine.

The plate sprocket is set up with the initial drive bolts being 9/16" 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
831-5618-1.50-SL	9/16"-18 x 1-1/2" Allen Head Cap Bolt With Shank
884-5618	9/16"-18 Top Locknut Grade 8
831-6318-1.5	5/8"-18 x 1-1/2" Allen Head Cap Bolt
884-6318	5/8"-18 Top Locknut Grade 8

7.5 FREEZING WEATHER OPERATION



CAUTION

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

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.

7.6 UNHOOKING THE TRACTOR



WARNING

Keep hands, legs and feet from under tongue and hitch until jack is locked into place.

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

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. Disconnect the PTO drive shaft.
4. Remove the hydraulic hose ends from the tractor hydraulic ports and secure the hose ends in the key slot holes on the front of the spreader to keep them clean.
5. Remove the light cords and any optional equipment connections.
6. Remove the jack from the storage mount and reinstall the jack on the hitch tongue. Crank the jack down until the hitch lifts off the tractor drawbar.
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 GENERAL



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

IMPORTANT

When welding do not allow electrical current to flow through bearings, roller chains, or scale weigh bars. Ground the welder directly to the part being welded. Always disconnect the power cord from scale indicator before welding.

8.2 LUBRICATION



Shutoff and lockout power before adjusting, servicing, 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.

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

NOTES:

- *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.*
- *We recommend using a 4-jaw grease coupling to allow greasing of both imperial and metric style grease fittings.*
- *Over lubrication is a major cause of bearing failures. Please lubricate conservatively when unsure of bearing requirements.*
- *Do not mix synthetic and mineral oils.*
- *It is very important that the quantity of oil in the gearboxes does not exceed what is indicated. An excessive quantity of oil in the gearboxes would cause a rise in temperature, and therefore shorten its life.*
- **Estimating 5 minutes of run time per load.*

8.2.1 Daily Lubrication (Every 8-12 Loads*)

- Ⓛ1 Grease (3) nylon bearings that support both augers and the second reduction jack shaft. The bushings are grease line fitted to the lower zerks on the front right and left side grease banks of the spreader. Grease minimum of 10 pumps. Over greasing is not possible. See Figure 8.6 on page 40.
- Ⓛ2 Keep oil reservoir full with new 30 weight oil for chain lubrication. The automatic chain oiler will lubricate the chains every time the rear gate cylinder is opened. The oil reservoir is accessible by opening the front shield.
- Ⓛ3 Maintain the oil levels in the (3) gearboxes using each gearbox's sight glass. Check regularly for any observable oil leakage around the input or output shaft seals. If leakage is found, replace seals. Lubricate the (3) gearboxes with Synthetic EP Gear SAE 90/ISO220 oil, capacity approximately 47.3 oz.

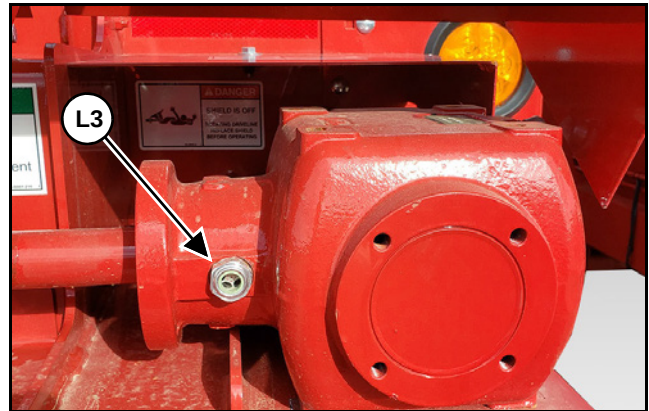


Figure 8.1 Corner Gearbox Sight Glass

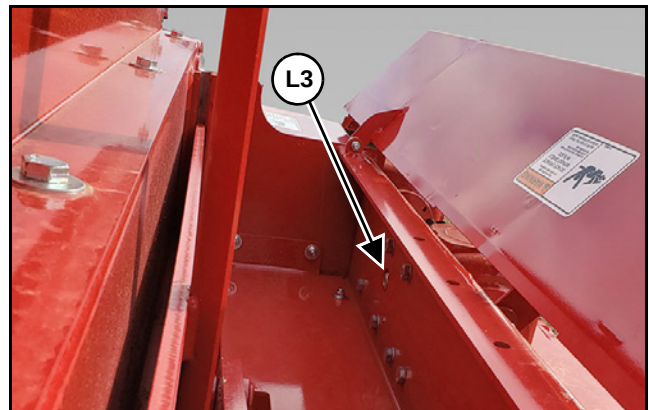


Figure 8.2 Right Spinner Gearbox Sight Glass

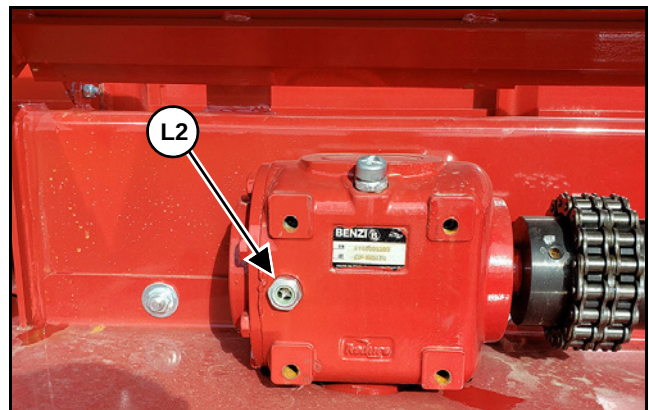


Figure 8.3 Left Spinner Gearbox Sight Glass

8.2.2 Every 8 Hours

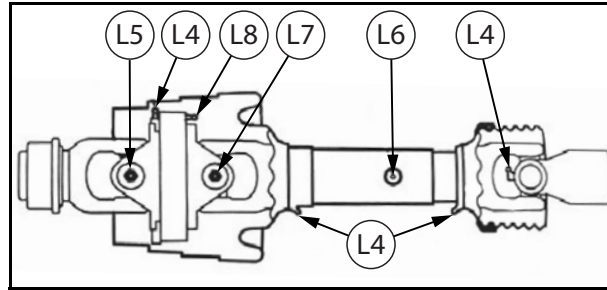


Figure 8.4 PTO Lubrication points

- (L4) Grease PTO (4) places every 8 hours of operation.
- (L5) Lubricate the outer CV cross kit with about 5 pumps of grease every 8 hours of operation.
- (L6) 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.
- (L7) Lubricate the inner CV cross kit with about 15 pumps of grease every 8 hours of operation.
- (L8) Lubricate the double yoke with about 10 pumps of grease every 8 hours of operation.

8.2.3 Weekly Lubrication (Every 65-70 Loads*)

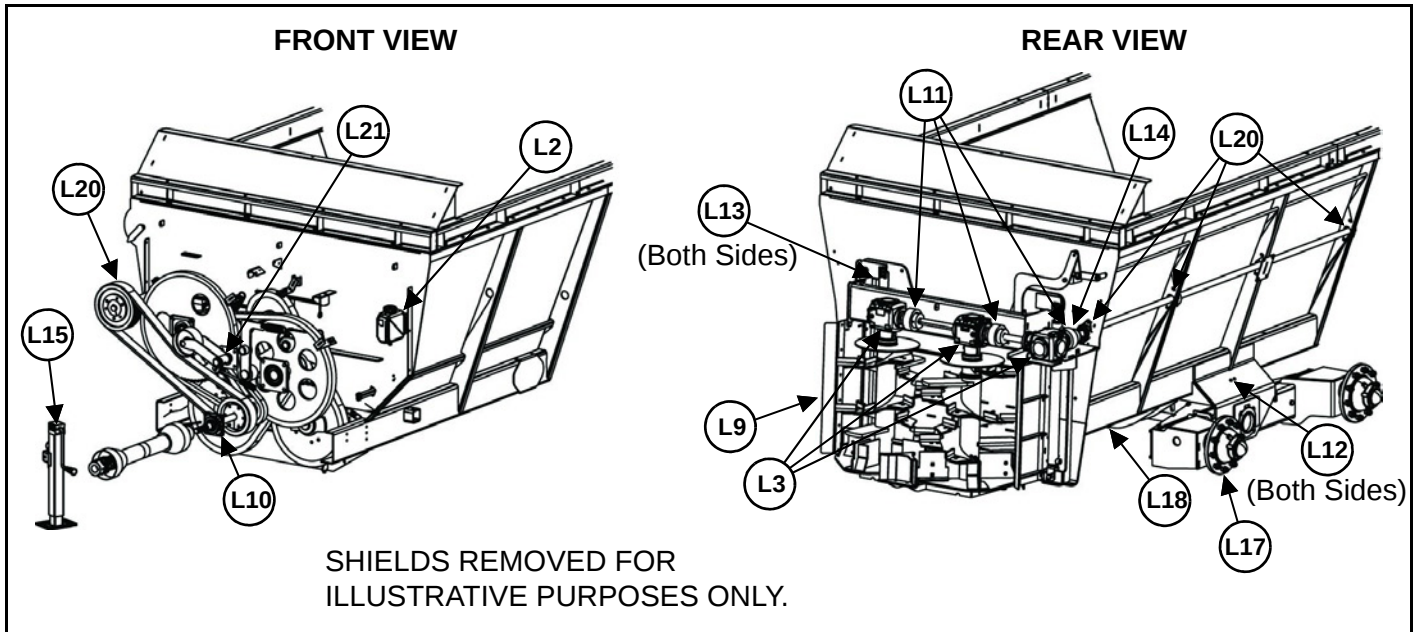


Figure 8.5 Grease Locations

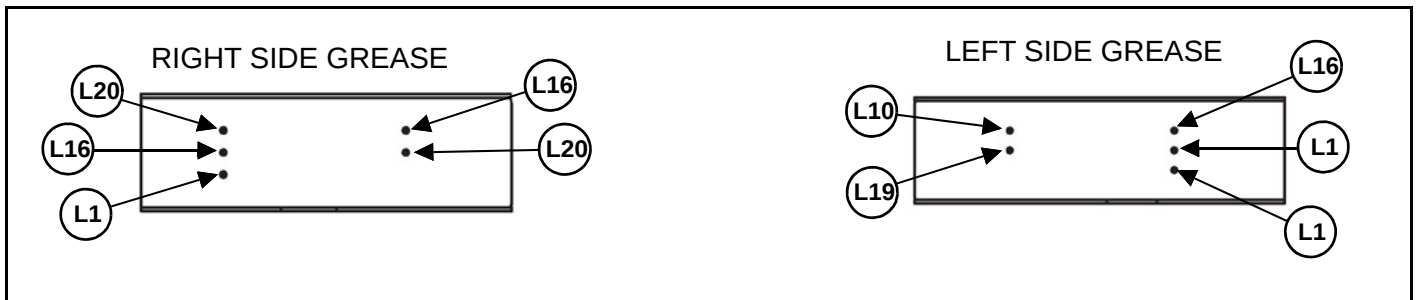


Figure 8.6 Side Grease Banks

- (L9) Grease (2) rear spinner bearings with approximately 2 pumps of grease. The bearings are grease line fitted to the left rear frame channel of the spreader.
- (L10) Grease PTO input shaft bearings with approximately 1 pump of grease. The bearings are accessible on the left side of the PTO cover shield and left side grease bank.
- (L11) Lubricate (3) chain couplers on the rear drive with new 30 weight oil. The couplers are accessible by opening the front and rear shield.
- (L12) Grease (4) tandem wing pivots. Over greasing is not possible.
- (L13) Grease (2) rear gate slide guides. Grease the slide guides from the top side with the rear gate opened. Allow grease to lubricate rear gate ends and slide guide surfaces. In freezing weather, dump used motor oil down each slide guide once a week or more often if needed. Over greasing is not possible.
- (L14) Grease (1) integral overrunning clutch on the spinner transfer shaft connection to the corner gearbox.

8.2.4 Monthly Lubrication (Every 260-300 Loads*)

- (L15) Grease jack gears through the grease zerk located on the top of the jack, behind the handle.
- (L16) Grease the (3) bearings supporting the front drive with 1 pump of grease. The zerks are accessible by the front right and left side grease banks of the spreader. Be careful not to over grease.
- (L17) Grease the (2/4) 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.
- (L18) Grease T-post zerks located under the rear center of the spreader. Over greasing is not possible.
- (L19) Grease the front drive bearing supporting the front of the second reduction jack shaft with approximately 2 pump of grease. The zerk is accessible on the left side grease bank. Be careful not to over grease.
- (L20) Grease the (6) bearings on the right hand side drive shaft with approximately 1 pump of grease. The first is located under the spinner drive belt cover. The second and third bearings are grease line fitted to the front right frame channel. The remaining rear bearings are located along the right hand side of the spreader tank. The zerks are accessible through the steel shielding. Be careful not to over grease.
- (L21) Grease front belt tensioner pivot.

8.2.5 Break-In Lubrication (First 360-500 Loads*)

- (L3) Change oil in the (3) gearboxes. Lubricate the (3) rear gearboxes with Synthetic EP Gear SAE 90/ISO220 oil, capacity approximately 47.3 oz.

8.2.6 Annually

- (L3) Change oil in the (3) gearboxes. Lubricate the (3) rear gearboxes with Synthetic EP Gear SAE 90/ISO220 oil, capacity approximately 47.3 oz.
- (L17) Clean and repack the wheel hubs with axle grease (See 8.2.7 Grease Hubs Procedure).

8.2.7 Grease Hubs Procedure

- Use a pressure packer to pack the bearing cones with grease by forcing grease into the cavities between the rollers and cage from the large end of the cone. If a pressure packer is not available, pack the bearings by hand.
- Apply a light coat of grease to the spindle bearing journals.
- Pack the area of the hub between the two bearings with grease up to the smallest diameter of the bearing cups. Remove excess grease.
- Install and tighten the hub retention hardware. Apply a light coat of approved NLGI 1 or 2 grease to the hubcap interior and across the face of the outer locknut. This will indicate that NLGI 1 or 2 grease was used, as well as help prevent corrosion of these parts.

8.2.8 Automatic Chain Oiler



CAUTION

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



WARNING

Hydraulic fluid escaping under pressure can have sufficient force to cause injury. Keep all hoses and connections in good serviceable condition.

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.

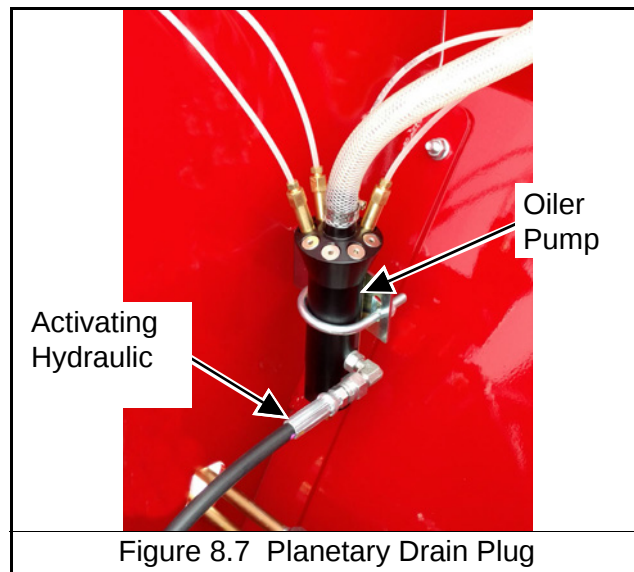


Figure 8.7 Planetary Drain Plug

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.

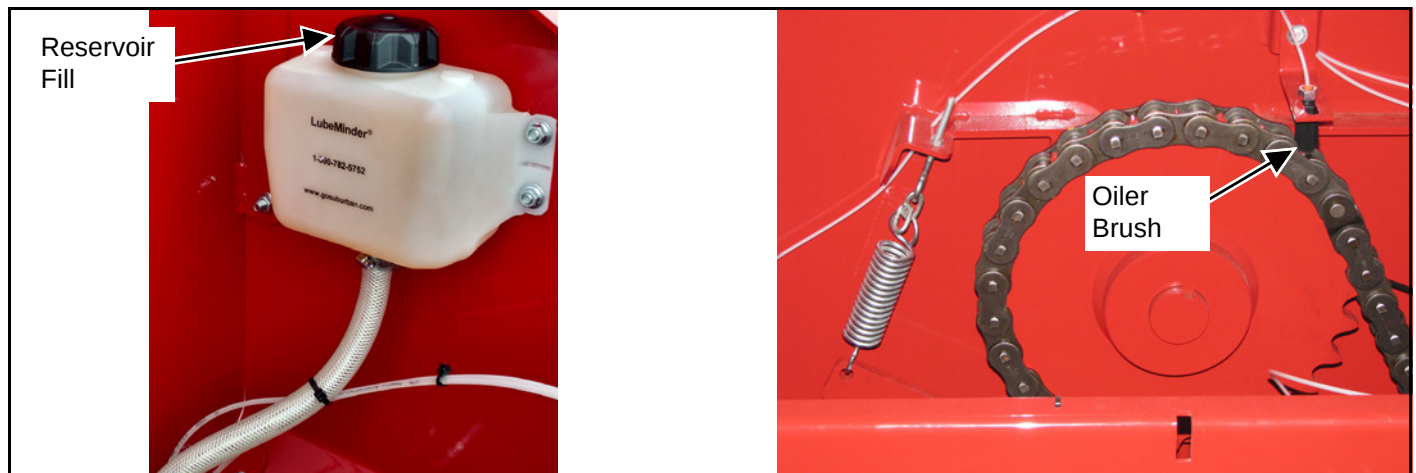


Figure 8.8 Reservoir and Oil Brush

8.3 ADJUSTMENTS

CAUTION

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

8.3.1 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 locknut's 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!

8.3.2 Front Spinner Drive Belt

Regularly check that the tensioning spring is in serviceable condition for automatic belt tightening. Manually adjust spring tensioner (as needed) by turning locknut on tensioning assembly. Proper belt tension is when there is no gap between spring coils and is collapsed. Regularly re-check belt tension. Keep belts tight at all times!

8.3.3 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.

8.3.4 Truck Mount Die Spring

The truck mount is attached using two hard mounts and four spring tensioned mounts. The springs should be kept at a 4" compression length.

8.3.5 Bottom Auger Timing

Left hand auger lead edge (Item 1) pointing down, right hand auger lead edge (Item 2) pointing just below the center line (Item 3) of the spreader.

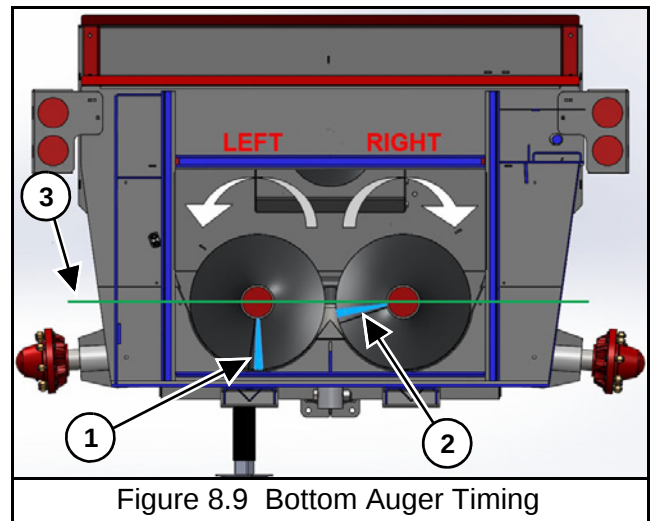


Figure 8.9 Bottom Auger Timing

8.3.6 Rear Spinner Timing

The spreader rear spinners will need to be timed if the spinner gearboxes are disconnected. Time the rear spinners so that the bottom paddles (Item 1) are set so they are located halfway between the opposite spinners bottom paddles.

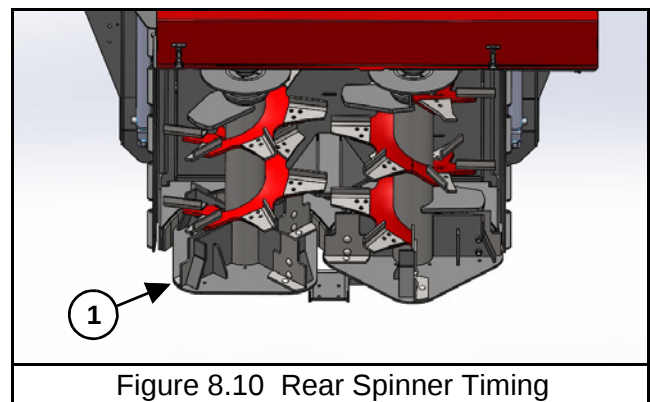


Figure 8.10 Rear Spinner Timing

8.3.7 Wheel Bearing Preload

1. Torque the spindle nut while rotating the hub to seat the bearings using the Seat Bearings torque value for your specific hub listed in 8.4.3 Hub Torque.
2. Loosen spindle nut.
3. Re-torque the spindle nut to the Final Torque listed in 8.4.3 Hub Torque.
4. Install cotter pin. If the nut isn't aligned with the cotter pin hole, back the nut off to closest position that does. **Do Not** back the nut off more than 30° from Final Torque position.

8.3.8 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 1-3/4 x 20 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. An 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.

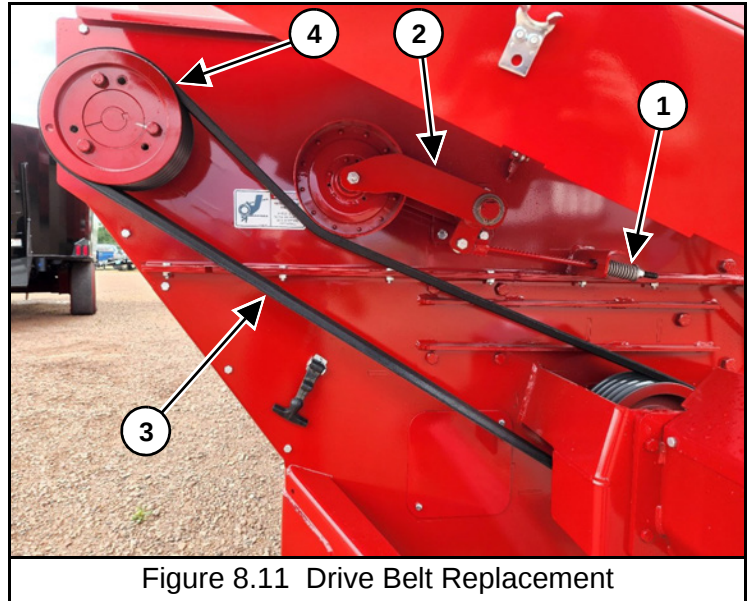
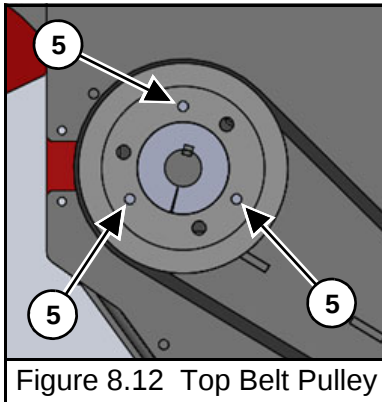
Attach the shield safety chain to a suitable area on the spreader, preferably to the implement PTO steel shield.

8.3.9 Drive Belt Replacement

IMPORTANT

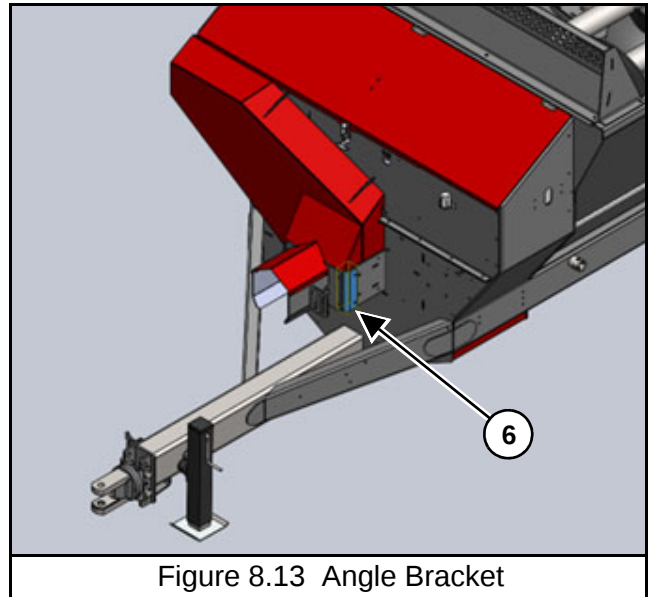
Maintain belt drive tension. An improperly set belt tensioner spring can cause belt slippage and decreased belt life.

1. Release the spring pressure (Item 1) on the tightener arm (Item 2).
2. Remove old belts (Item 3) and side shaft pulley (Item 4) at the same time by using steps below:
 - a. Loosen and remove all side shaft pulley mounting cap screws.
 - b. Insert cap screws in all threaded jack-screw holds (Item 5).



- c. Start with the screws furthest from the bushing saw slot and tighten all jack screws alternately and progressively. Keep turning the screws in small equal amounts until the tapered surfaces disengage.
 - d. Remove pulley.
3. Remove front angle bracket (Item 6). Remove belt from lower pulley.
 4. Install new belt onto lower pulley and reinstall the front angle bracket.
 5. Install new belt and side shaft pulley at the same time by using steps below:
 - a. Make sure the tapered-cone surface of the bushing and the mating bore of the sheave are free of all foreign substances such as: dirt, excess paint accumulations, metal chips, lubricants, etc.

NOTE: Do not use lubricants in this installation.



- b. Line up the unthreaded holes (Item 7) with the threaded holes (Item 8) and insert cap screws with lock washers engaging only two or three threads.
- c. With key in shaft keyway, slide the loosely assembled unit onto shaft and position for good belt alignment. Use no lubricants or anti-seize compound on threads or tapered surfaces.
- d. Carefully tighten the cap screws alternately and progressively until the tapers are seated to approximately 20ft-lbs.
- e. Continuous careful alternate and progressive tightening of the cap screws to 40ft-lbs. **Maximum torque should be achieved on each individual bolt only two times in the consecutive tightening.**

NOTE: When properly mounted there will be a gap between the bushing flange and sheave after the screws are tightened.

6. Adjust input shaft pulley in or out as needed.
7. Tighten adjuster arm until the inside of washer to inside of washer measurement is 2-1/2".

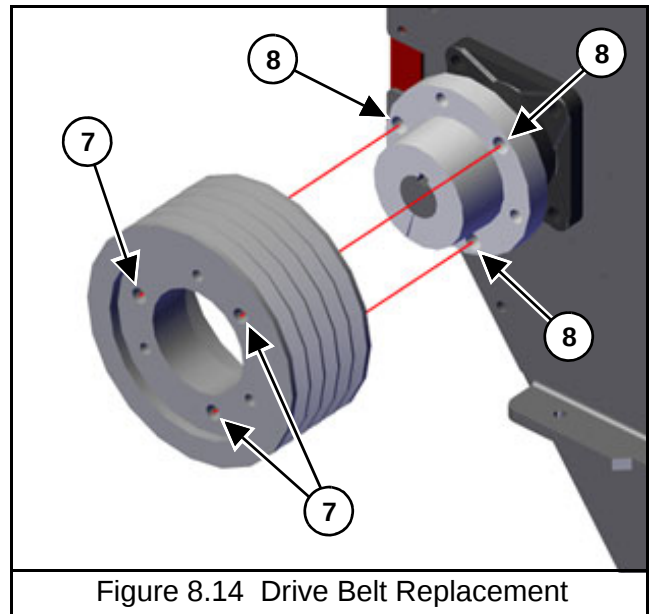


Figure 8.14 Drive Belt Replacement

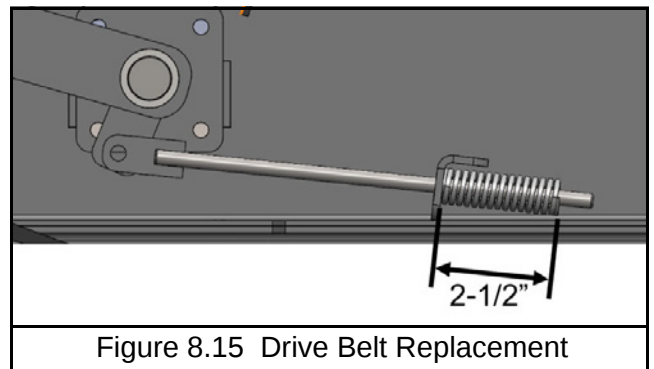


Figure 8.15 Drive Belt Replacement

8. If belt is not running square on the idler:
 - a. Shim the 4-bolt bracket (Item 9).
 - b. Unbolt and index the 4-bolt bracket (Item 9).
 - c. Use a pipe to adjust shaft (Item 10).

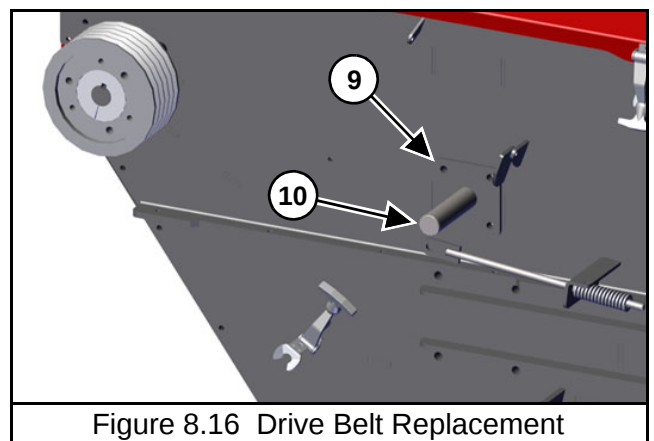


Figure 8.16 Drive Belt Replacement

8.4 FASTENER TORQUE SPECIFICATIONS



CAUTION

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

After an initial break in period approximately four months and periodically thereafter, ALL bolts and nuts should be checked to ensure that recommended torque values are being maintained.

8.4.1 General Torque Specifications

IMPORTANT

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only and include a + or - 10% variance. Check tightness of fasteners periodically. DO NOT use air powered wrenches.

Head Marking	Grade and Material	Nominal Size Range (inches)
 No Markings	Grade 2 Low or medium carbon steel	1/4" thru 3/4" Over 3/4" thru 1-1/2"
 3 Radial Lines	Grade 5 Medium carbon steel, quenched and tempered	1/4" thru 1" Over 1" thru 1-1/2"
 6 Radial Lines	Grade 8 Medium carbon alloy steel, quenched and tempered	1/4" thru 1-1/2"
 A325	Grade A325 Carbon or Alloy Steel with or without Boron	1/2" thru 1-1/2"
Stainless markings vary. Most stainless is non-magnetic	18-8 Stainless Steel alloy with 17-19% Chromium and 8-13% Nickel	All Sizes thru 1"

Figure 8.18 SAE Bolt Grade

Head Marking	Class and Material	Nominal Size Range (mm)
 8.8	Class 8.8 Medium carbon steel, quenched and tempered	All Sizes below 16mm 16mm - 72mm
 10.9	Class 10.9 Alloy steel, quenched and tempered	5mm - 100mm
 12.9	Class 12.9 Alloy steel, quenched and tempered	16mm - 100mm
Stainless markings vary. Most stainless is non-magnetic. Usually stamped A-2.	A-2 Stainless Steel alloy with 17- 19% chromium and 8-13% nickel	All Sizes thru 20mm

Figure 8.17 Metric Bolt Grade

SAE				
	Grade 5, 5.1 & 5.2		Grade 8 & 8.2	
Size (inches)	Lubricated (ft-lb)	Dry (ft-lb)	Lubricated (ft-lb)	Dry (ft-lb)
1/4	7	9	10	12.5
5/16	15	18	21	26
3/8	26	33	36	46
7/16	41	52	58	75
1/2	63	80	90	115
9/16	90	115	130	160
5/8	125	160	160	225
3/4	225	280	310	400
7/8	360	450	500	650
1	540	675	750	975
1-1/8	675	850	1075	1350
1-1/4	950	1200	1500	1950
1-3/8	1250	1550	2000	2550
1-1/2	1650	2100	2650	3350

METRIC								
	Class 4.8		Class 8.8 & 9.8		Class 10.9		Class 12.9	
Size (mm)	Lubricated (ft-lb)	Dry (ft-lb)	Lubricated (ft-lb)	Dry (ft-lb)	Lubricated (ft-lb)	Dry (ft-lb)	Lubricated (ft-lb)	Dry (ft-lb)
M6	3.5	4.5	6.5	8.5	9.5	12	11.5	14.5
M8	8.5	11	16	20	24	30	28	35
M10	17	21	32	40	47	60	55	70
M12	29	37	55	70	80	105	95	120
M14	47	60	88	110	130	165	150	109
M16	73	92	140	175	200	225	240	300
M18	100	125	195	250	275	350	325	410
M20	140	180	275	350	400	500	460	580
M22	190	250	375	475	540	675	625	800
M24	250	310	475	600	675	850	800	1000
M27	360	450	700	875	1000	1250	1150	1500
M30	490	625	950	1200	1350	1700	1600	2000
M33	675	850	1300	1650	1850	2350	2150	2750
M36	850	1075	1650	2100	2350	3000	2750	3500

8.4.2 Wheel Torque

BOLT/STUD SIZE	SOCKET SIZE	PRESS FORMED WHEEL CENTER	BOLT TYPE	HEAVY DUTY WHEEL CENTER
5/8"	15/16" / 1-1/16"	100 ft-lb	Bevel	160 ft-lb
3/4"	1-1/8" / 1-1/2"	N/A	Flange Nut	378 ft-lb

8.4.3 Hub Torque

MEYER PART #	MODELS	SEAT BEARINGS	FINAL TORQUE
75-0205	SXL2636 & SXR400	80 ft-lb	50 ft-lb
75-0207	SXL3954 & SXR500	80 ft-lb	50 ft-lb
75-0219	SXR600	75 ft-lb	45 ft-lb

8.5 ELECTRICAL

8.5.1 Digital Scale Indicator

Refer to scale indicator (Item 1) manufacturer's operators manual for maintenance.

NOTE: Some scale drift may occur after the scale is turned on but should level out within 10 to 15 minutes. Temperature changes may also cause some drifting.

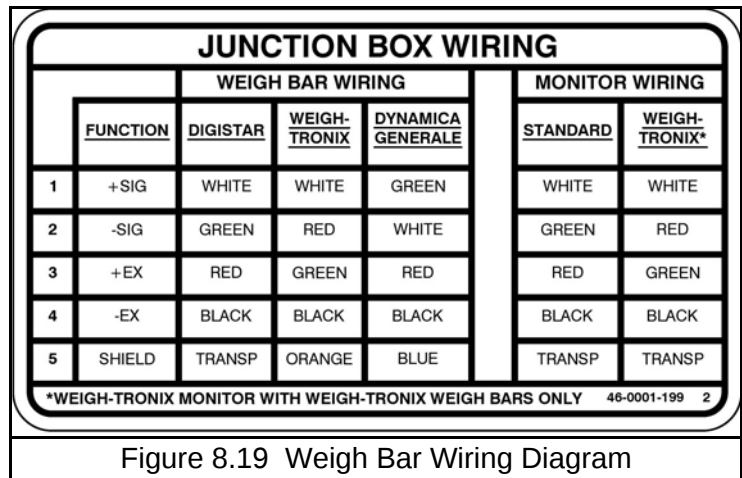


Figure 8.19 Weigh Bar Wiring Diagram

Scale Set Up Numbers

SXR400 / SXR500 / SXL2636 / SXL3954	
SET UP #	CALIBRATION #
126040	45977

SXR600	
SET UP #	CALIBRATION #
126070	40000

8.6 WHEELS AND TIRES

8.6.1 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 and brake drum (If Equipped) flush to hub mounting surface.
- Avoid brake drum (If Equipped) and/or wheel binding on hub.
- Install remaining wheel nuts. Torque to 50 ft-lbs, then re-torque to required full torque (See 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.

8.6.2 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.

8.6.3 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 8.6.2 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 tends 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.

8.7 STORING THE IMPLEMENT

LOCKOUT / TAGOUT the machine / spreader. (See 5.3 SHUTOFF & LOCKOUT POWER)

Extended Storage

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 7.6 UNLOADING)
- Thoroughly clean the implement inside and outside.
- Remove all material build-up.
- Lubricate the equipment. (See 8.2 LUBRICATION)
- 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 8.3 ADJUSTMENTS)
- 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.
- 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.

8.8 RETURN THE IMPLEMENT 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.
- Check tire pressure and that the lug nuts are tight.
- Connect to a tractor and operate equipment; verify all functions operate correctly.
- Check for leaks. Repair as needed.



9.0 REPAIR PARTS



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.



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 adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.



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.



Crushing Hazard:
Do Not work under suspended or blocked parts



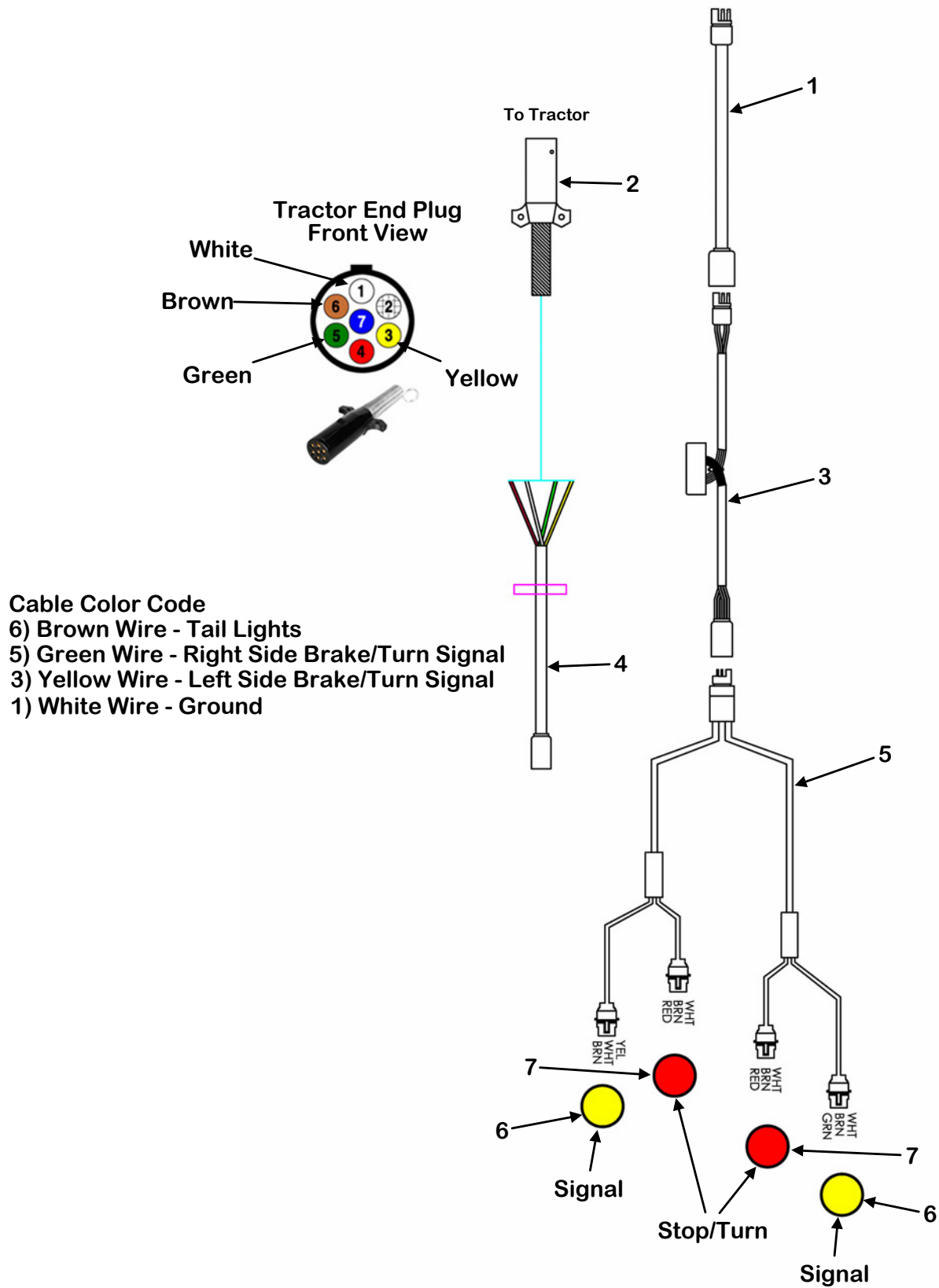
- The use of hoists and/or supports may be needed to handle heavy components.
- If the implement is being repaired in the field, make sure the parking brake of the tractor is engaged, the implement is on solid and level ground.
- Welding and torching should be done by properly trained individuals who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



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. Instruction sheets may be provided with the 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.

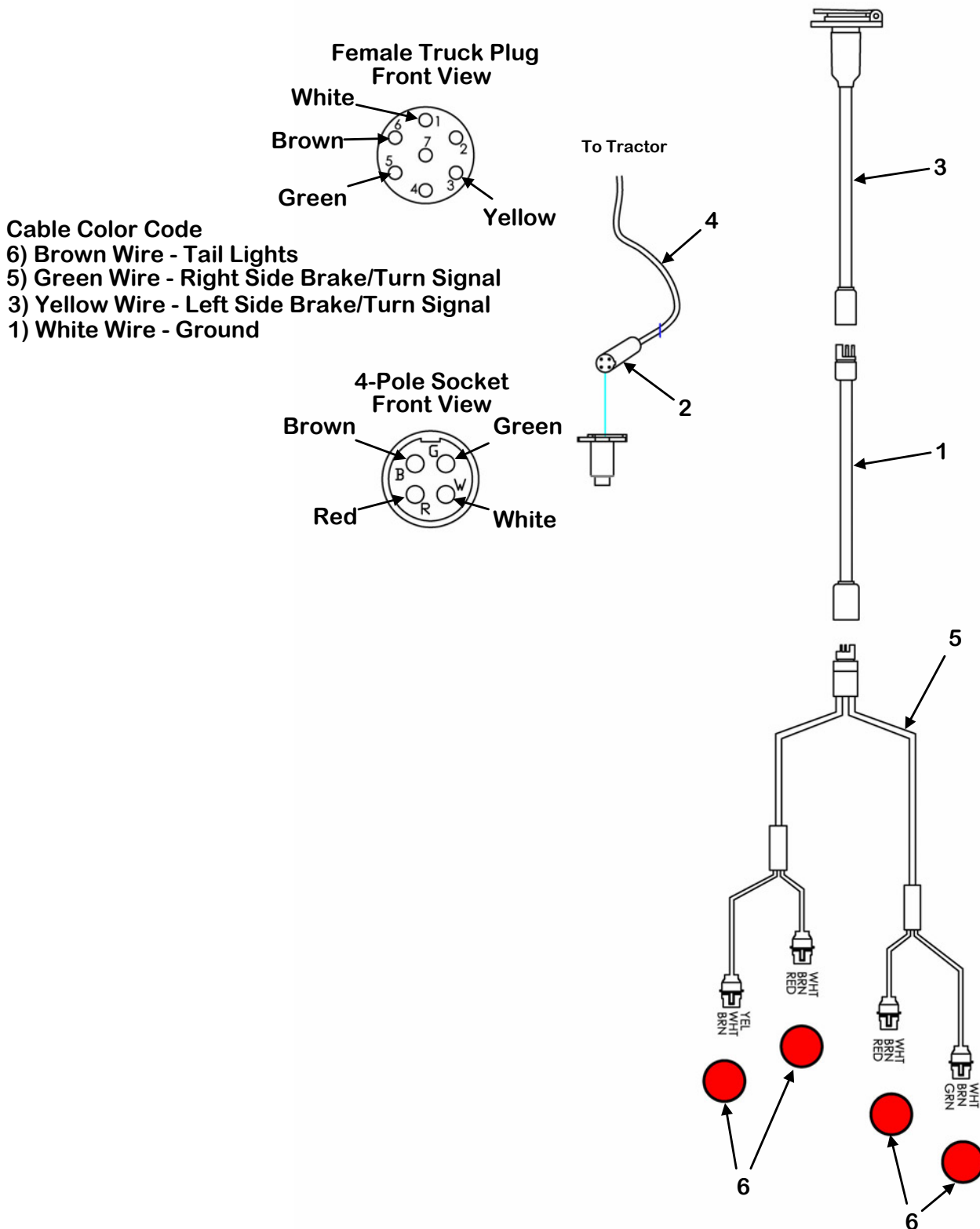
PULL TYPE LIGHTS



SXI-C-0005-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	56-0309	1	Maxi-Seal 150" Power Extension Harness (SXL2636)
	56-0298	1	Maxi-Seal 222" Power Extension Harness (SXL3954)
	56-0308	1	Maxi-Seal 174" Power Extension Harness (SXR400/500/600)
2	56-0005-4	1	7-Contact Plug End Only, w/Spring
3	56-0284	1	Maxi-Seal AG Module
4	56-0306	1	Maxi-Seal Front Harness To 7-Pin
5	56-0310	1	Maxi-Seal Rear Harness No Side Lights
6	56-0091-AMP	2	4" Amber Round LED Turn Lamp
	56-0092	2	Round Grommet
7	56-0090-AMP	2	4" Red Round LED Turn Lamp
	56-0092	2	Round Grommet

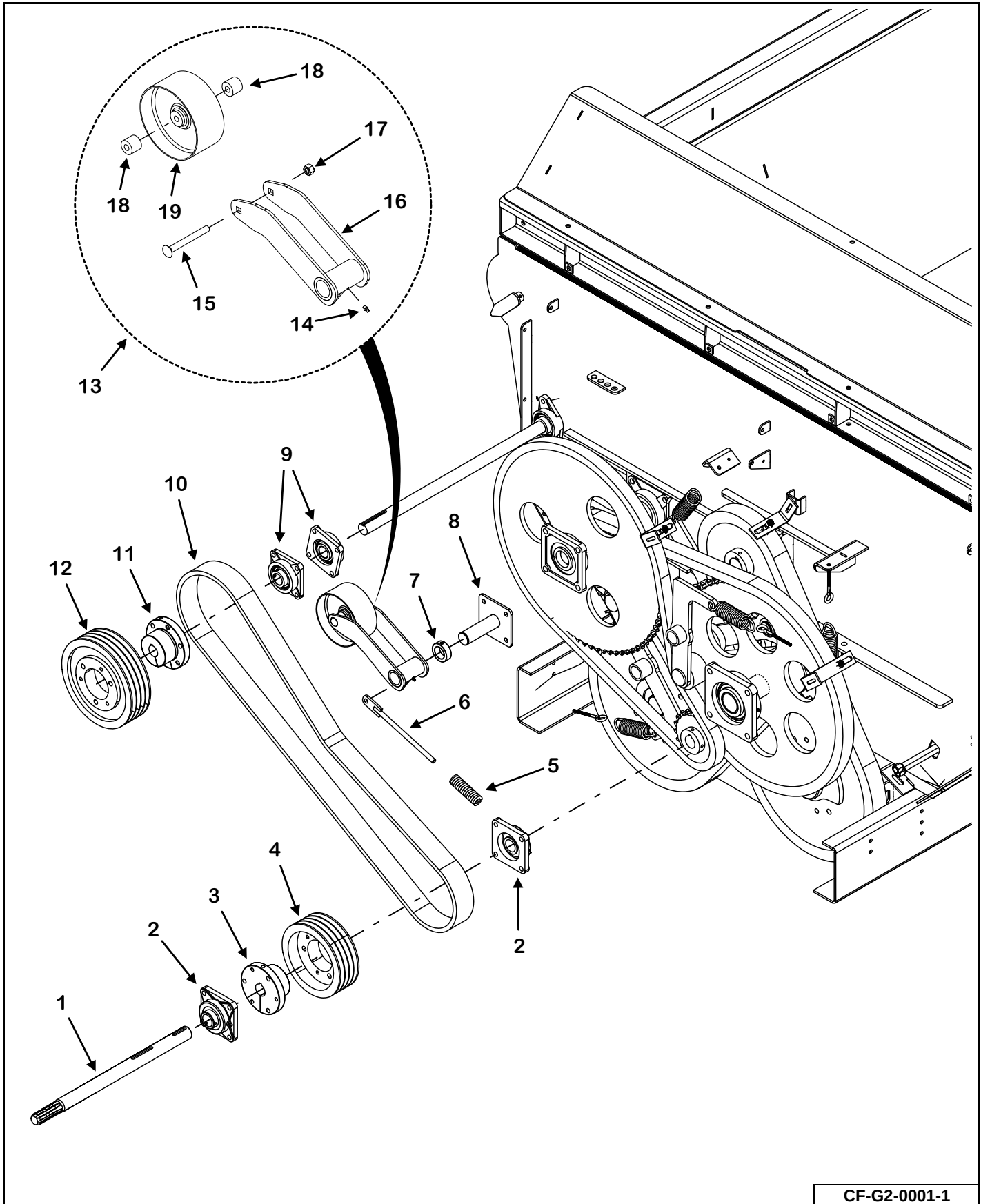
TRUCK MOUNT LIGHTS



SXI-C-0006-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	56-0292S	1	Maxi-Seal 20' Power Extension Harness
2	56-0005-1-P	1	4-Contact Plug
3	56-0295	1	Maxi-Seal Front Main Harness With Socket
4	56-0037	3	4 Conductor Trailer Cable (Per Foot)
5	56-0310	1	Maxi-Seal Rear Harness
6	56-0090-AMP	4	4" Red Round LED Turn Lamp
	56-0092	4	Round Grommet

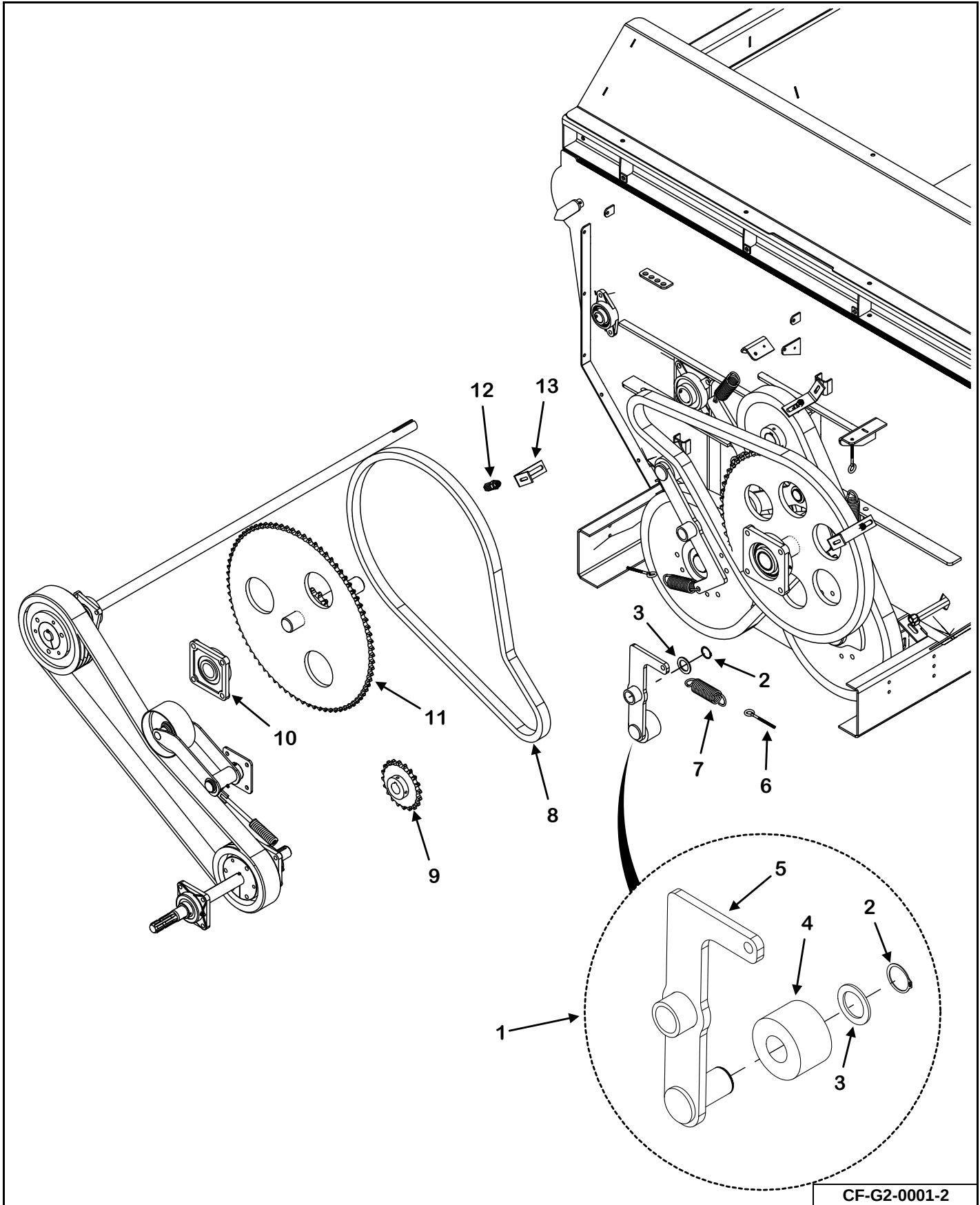
SPINNER DRIVE



CF-G2-0001-1

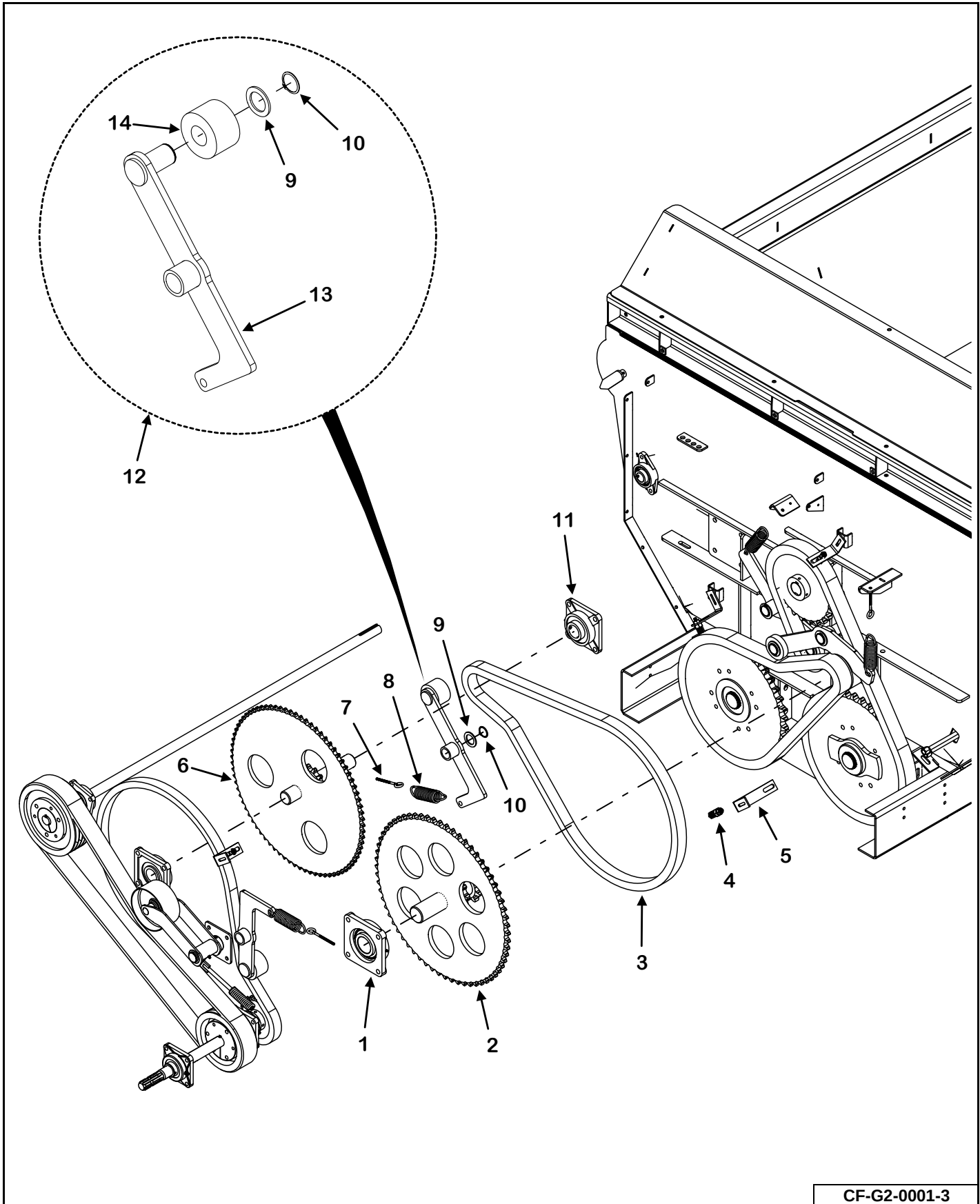
KEY	PART NUMBER	QTY	DESCRIPTION
1	923-0550	1	Input Shaft
2	914-3602	2	4-Bolt 1-1/2" Flange Bearing
3	12-0050-2	1	1-1/2" Pulley Sheave Bushing
4	12-0062-1	1	9" 4-Groove 5V Pulley
5	29-0036	1	Die Spring
6	100-1026	1	Tightener Rod Weldment
7	921-0005	1	1-1/2" Set Collar
8	925-0647	1	Idler Pivot Weldment
9	914-3604	2	4-Bolt 1-3/8" Flange Bearing
10	49-0549	1	V-Belt
11	12-0051-2	1	1-3/8" Pulley Sheave Bushing
12	12-0063-1	1	10.9" 4-Groove 5V Pulley
13	12-0078	1	Idler Pulley Assembly
14	30-0001	1	1/4"-28 Straight Grease Fitting
15	850-5013-4.5Z	1	1/2"-13 x 4-1/2" Carriage Bolt
16	12-0078-1	1	Belt Drive Idler Pivot Weldment
17	814-5013-Z	1	1/2"-13 Center Lock Nut
18	12-0078-3	2	Pulley Spacer
19	12-0078-2	1	Idler Pulley

FIRST REDUCTION



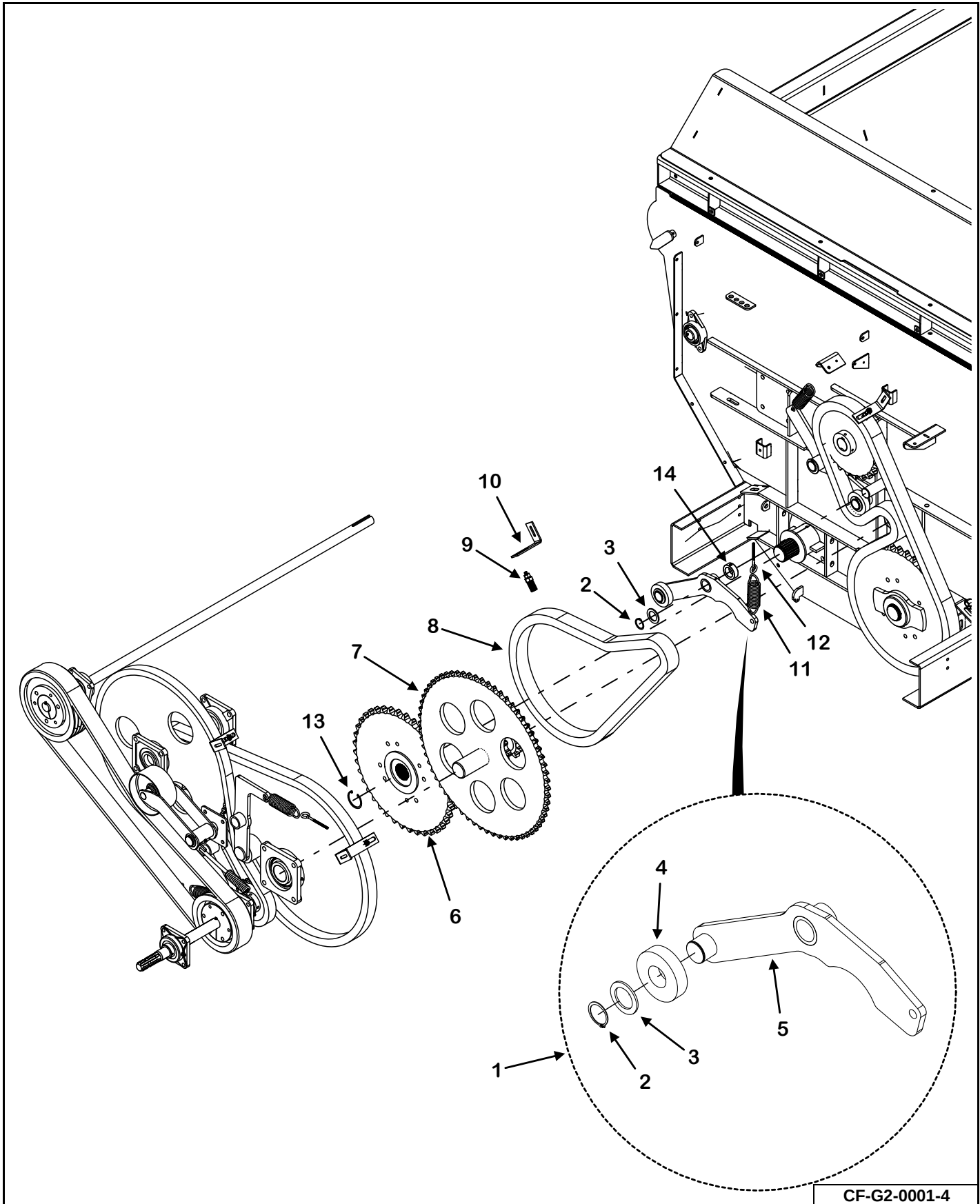
KEY	PART NUMBER	QTY	DESCRIPTION
1	925-0575	1	Chain Tightener Weldment
2	33-0038	2	1-1/2" External Snap Ring
3	925-0530-2	2	Tightener Washer
4	925-0611-2	1	Nylon Tightener Roller
5	925-0575-1	1	Chain Tightener Weldment
6	933-3804	1	5/16"-18 x 3-3/4" Shank Eye Bolt
7	929-0501	1	Extension Spring
8	111-0080-104-OR	1	#80-104 O-Ring Roller Chain Including Connector (10 RPM Auger Speed)
	111-0080-101-OR	1	#80-104 O-Ring Roller Chain Including Connector (7.5 RPM Auger Speed)
9	910-0110	1	80B20 1-1/2" Bore Sprocket (10 RPM Auger Speed)
	910-0111	1	80B13 1-1/2" Bore Sprocket (7.5 RPM Auger Speed)
10	914-3832	1	4-Bolt 2" Flange Bearing
11	910-0911	1	Jackshaft Weldment
12	See Page 104	1	Oil-Kit
13	952-0001-3	1	#120 Auger Chain Brush Holder

SECOND REDUCTION DRIVE



KEY	PART NUMBER	QTY	DESCRIPTION
1	914-3811	1	4-Bolt 2-1/2" Flange Bearing
2	910-0910	1	Jackshaft Weldment
3	111-0100-85	1	#100-85 Pitch Roller Chain Including Connector & Offset
4	See Page 104	1	Oil-Kit
5	33-8000-7	1	Auger Chain Brush Holder
6	See Page 62	1	First Reduction
7	933-3804	1	5/16"-18 x 3-3/4" Shank Eye Bolt
8	929-0501	1	Extension Spring
9	925-0530-2	2	Tightener Washer
10	33-0038	2	1-1/2" External Snap Ring
11	914-3832	1	4-Bolt 2" Bearing
12	925-0574	1	Chain Tightener Assembly
13	925-0574-1	1	Chain Tightener Weldment
14	925-0611-2	1	Nylon Tightener Roller

FINAL REDUCTION, RH AUGER



CF-G2-0001-4

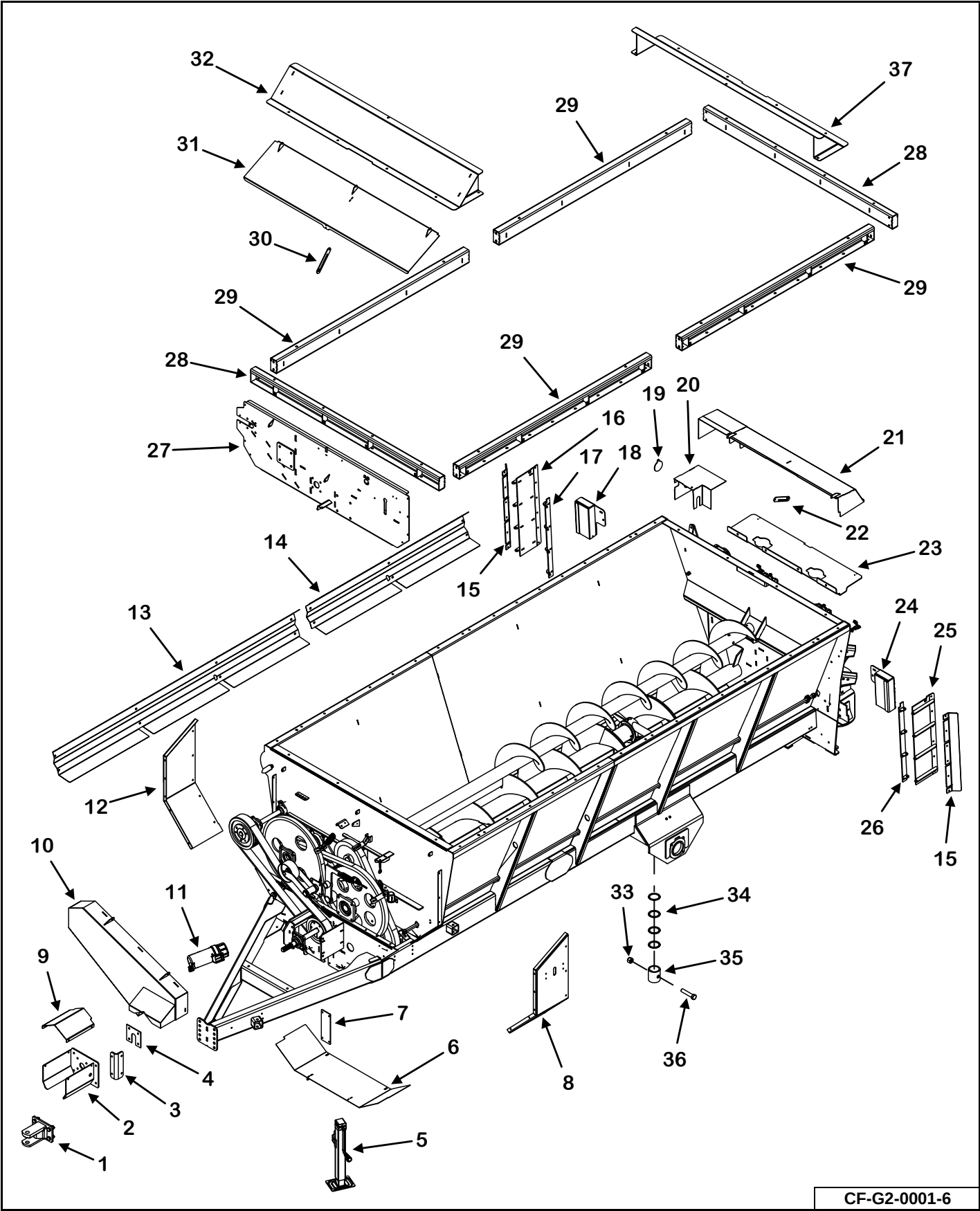
KEY	PART NUMBER	QTY	DESCRIPTION
1	925-0530	1	Right Auger Chain Tightener Assembly
2	33-0038	2	1-1/2" External Snap Ring
3	925-0530-2	2	Tightener Washer
4	912-0016-1	1	7/8" Nylon Roller
5	925-0530-1	1	Right Auger Chain Tightener Weldment
6	910-0108	1	Shear Sprocket Assembly
7	See Page 64	1	Second Reduction Drive
8	111-0120-57	1	#120-57 Pitch Roller Chain Including Connector & Offset
9	See Page 104	1	Oil-Kit
10	952-0001-3	1	Auger Chain Brush Holder
11	929-0501	1	Extension Spring
12	933-3804	1	5/16"-18 x 3-3/4" Shank Eye Bolt
13	33-0025	1	2-1/2" Retaining Ring
14	921-0005	1	1-1/2" Set Collar

Exploded view diagram of a mechanical assembly. The diagram shows a main assembly on the left and a sub-assembly on the right. A circular inset provides a detailed view of the sub-assembly, showing parts 1 through 5. The main assembly includes a large gear (10), a smaller gear (9), and a handle (7). The sub-assembly includes a bracket (5), a pin (3), a washer (4), a nut (2), and a screw (1).

CF-G2-0001-5

KEY	PART NUMBER	QTY	DESCRIPTION
1	925-0573	1	Chain Tightener Assembly
2	33-0038	2	1-1/2" External Snap Ring
3	925-0530-2	2	Tightener Washer
4	912-0016-1	1	7/8" Nylon Roller
5	925-0573-1	1	Chain Tightener Weldment
6	910-0108	1	Shear Sprocket Assembly
7	111-0120-79	1	#120-79 Pitch Roller Chain Including Connector & Offset
8	914-0516	1	Complete Bearing Assembly W/ Bushing & Set Screws
	914-0516-2	1	Jackshaft Bearing
	827-3816-.5	3	3/8"-16 x 1/2" Knurled Set Screw
9	See Page 64	1	Second Reduction Drive
10	910-0912	1	120B24 2" Bore Sprocket
11	See Page 104	1	Oil-Kit
12	952-0001-3	1	Auger Chain Brush Holder
13	929-0501	1	Extension Spring
14	933-3804	1	5/16"-18 x 3-3/4" Shank Eye Bolt
15	33-0025	1	2-1/2" Retaining Ring

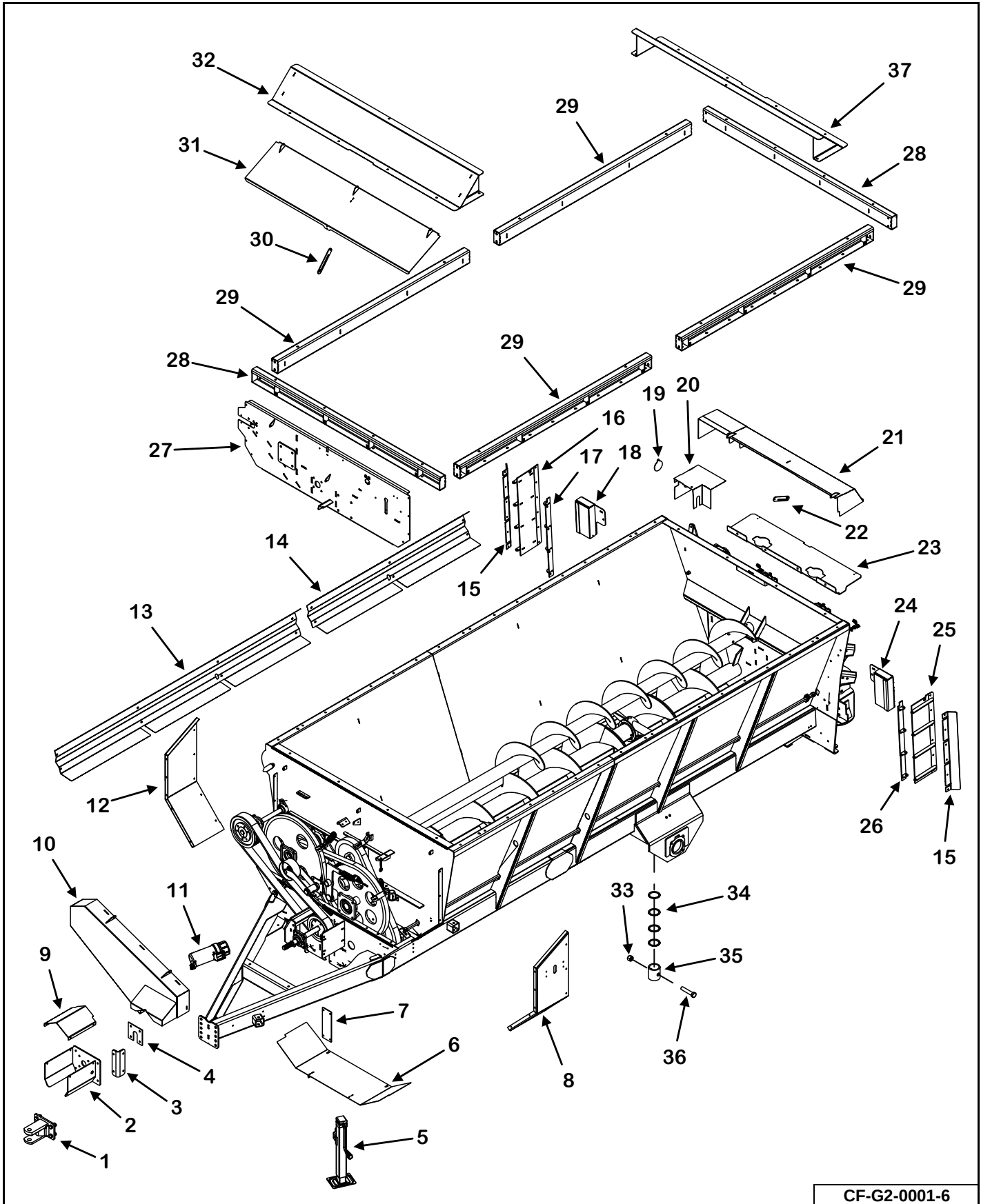
BODY & SHIELDS



CF-G2-0001-6

KEY	PART NUMBER	QTY	DESCRIPTION
1	MS1-4-0004	1	Hitch Welded Assembly
	MS1-4-0004-AS	1	Hitch Assembly With Hardware
2	901-0958	1	Input Weldment
3	901-0729-6	1	Input Mount Plate
4	901-0591-3	1	Bearing Plate Doubler
5	956-3806	1	Jack Stand
6	924-0590	1	Bottom Drive Shield Assembly
7	901-0956-7	1	Front Panel Cover Plate
8	924-0591	1	Left Drive Shield Assembly
9	924-0651	1	Input Shaft Cover
10	924-0647-1	1	Belt Shield Weldment
11	33-0060	1	Operator Manual Canister
12	924-0592	1	Right Drive Shield Assembly
13	924-0563	1	Front Side Shaft Shield (SXL2636)
	924-0532	1	Front Side Shaft Shield (SXL3954)
	924-0547	1	Front Side Shaft Shield (SXR400/500/600)
14	924-0540	1	Rear Side Shaft Shield (SXL2636/3954)
	924-0548	1	Rear Side Shaft Shield (SXR400/500/600)
15	925-0571-4	2	Deflector Plate
16	925-0572-3	1	Right Material Guide Weldment
17	925-0572-1	1	Right Material Guide Pivot Weldment
18	925-0014-1	1	RH LED Light Mount Bracket Weldment
19	925-0608-1-3	1	Shield Cover
20	924-0650-1	1	Corner Gearbox Shield Weldment
21	924-0607	1	Rear Gearbox Shield Assembly
22	925-0581	1	Rear Lid Latch Lever
23	925-0603	1	Gearbox Bottom Cover
24	925-0015-1	1	LH LED Light Mount Bracket Weldment
25	925-0571-3	1	Left Material Guide Weldment
26	925-0571-1	1	Left Material Guide Pivot Weldment
27	901-0957	1	Upper Front Panel Weldment

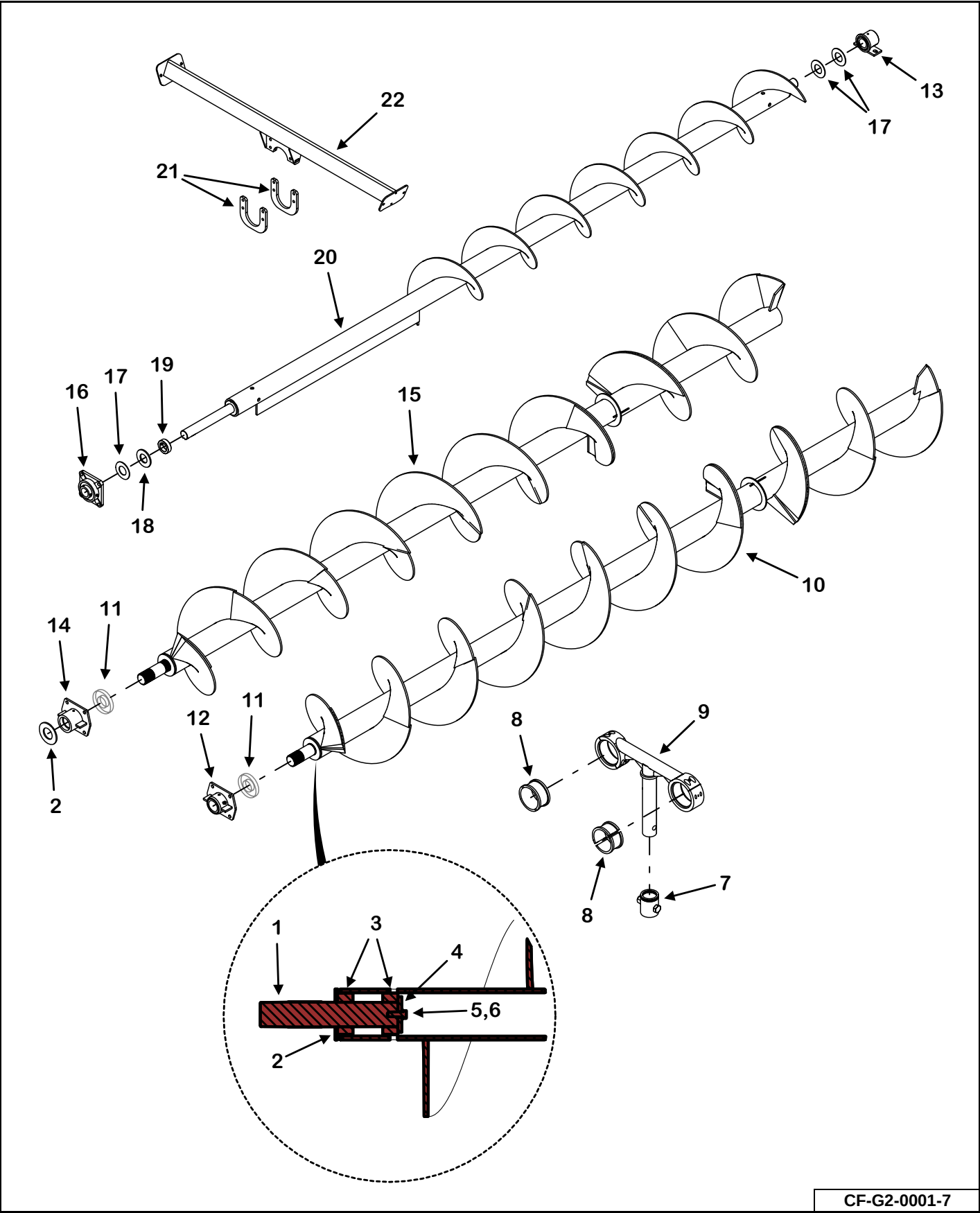
BODY & SHIELDS (CONT'D)



CF-G2-0001-6

KEY	PART NUMBER	QTY	DESCRIPTION
28	See Page 118	2	Optional 9" Side Extensions (SXL2636/3954)
	See Page 119	2	Optional 4" Side Extensions (SXR400)
	See Page 120	2	Optional 19" Flared Side Extensions (SXL2636)
	901-0982	2	Front/Rear Side Extensions (SXR600)
29	See Page 118	4	Optional 9" Side Extensions (SXL2636/3954)
	See Page 119	4	Optional 4" Side Extensions (SXR400)
	See Page 120	4	Optional 19" Flared Side Extensions (SXL2636)
	901-0981	4	Left/Right Side Extensions (SXR600)
30	925-0541	1	Rear Lid Latch Lever
31	924-0593	1	Top Drive Shield Assembly
32	901-0622	1	Right Splash Guard (SXL2636/3954)
	901-0621	1	Left Splash Guard (SXL2636/3954)
	901-0599	1	Splash Guard Plate (SXL2636/3954)
	901-3917	1	Right Splash Guard (SXR400)
	901-3916	1	Left Splash Guard (SXR400)
	901-0666	1	Splash Guard Plate (SXR400)
	901-0616	1	Splash Guard Weldment (SXR500/600)
33	884-1008-Z	1	1"-08 Top Lock Nut
34	901-0717-2	4	T-Post Spacer
35	925-3771-4	1	Auger Hold Down Collar
36	881-1008-5Z	1	1"-08 x 5" Hex Cap Screw
37	901-0599	1	Splash Guard Plate (SXL2636/3954)
	901-0666	1	Splash Guard Plate (SXR400)
	901-0616	1	Splash Guard Weldment (SXR500/600)

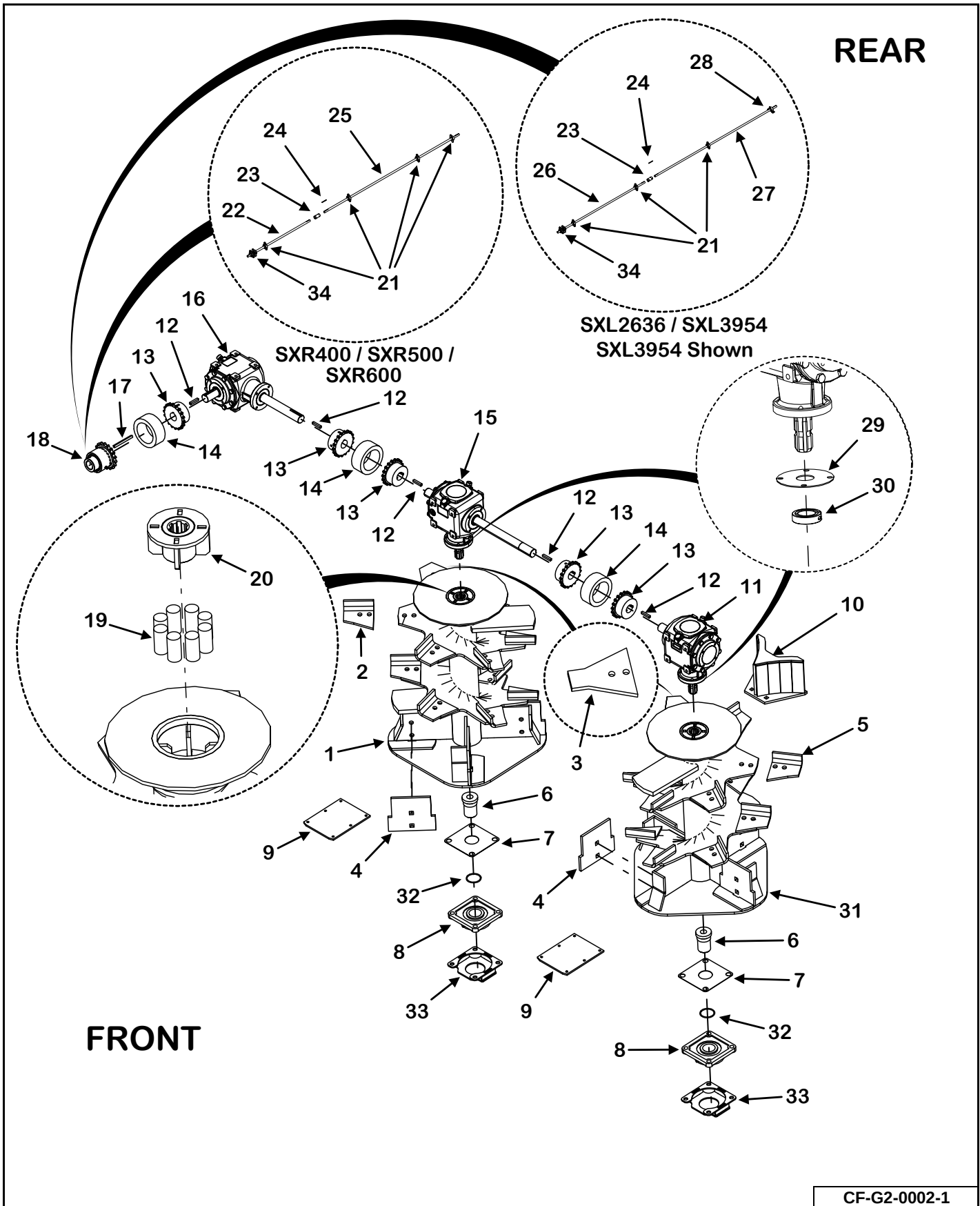
AUGERS



CF-G2-0001-7

KEY	PART NUMBER	QTY	DESCRIPTION
1	926-3801-5	2	2-1/2" x 13-1/2" Splined Shaft
2	933-3802	3	2-1/2" Flat Washer
3	926-3817-2	4	19 Tooth Splined Sleeve
4	926-3801-3	2	Auger Shaft Hold In Slug
5	881-5013-1.5Z	2	1/2"-13 x 1-1/2" Hex Cap Screw
6	822-0050-Z	2	1/2" Split Lock Washer
7	See Page 70	1	Body & Shields
8	901-3986	2	T-Post Hold Down Nylon Bushings (SXL2636/3954)
	925-3864	2	T-Post Hold Down Nylon Bushings (SXR400/500/600)
9	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 (SXR400/500/600)
10	926-0520	1	Left Auger Welded Assembly (SXL2636)
	926-0514	1	Left Auger Welded Assembly (SXL3954)
	926-0518	1	Left Auger Welded Assembly (SXR400/500/600)
11	933-3801-NSM-09	2	Auger Thrust Bearing
12	925-5010	1	Nylon Removable Bushing Holder Assembly
	913-3705	1	Nylon Bushing
	827-3816-.5	2	3/8"-16 x 1/2" Knurled Set Screw
	930-3602	1	Brass Male Connector
13	925-3865	1	3rd Auger Bushing Assembly
	913-3809	1	3rd Auger Nylon Bushing
14	925-5011	1	Nylon Removable Bushing Holder Assembly
	913-3705	1	Nylon Auger Bushing
	827-3816-.5	2	3/8"-16 x 1/2" Knurled Set Screw
	930-3602	1	Brass Male Connector
15	926-0524	1	Right Auger Welded Assembly (SXL2636)
	926-0523	1	Right Auger Welded Assembly (SXL3954)
	926-0522	1	Right Auger Welded Assembly (SXR400/500/600)
16	914-3832	1	4-Bolt 2" Flange Bearing
17	933-3606	3	4" Bronze Washer
18	933-0505	1	3rd Auger Thrust Washer
19	921-0008	1	2" Set Screw Collar
20	926-0540	1	Third Auger Welded Assembly (SXL2636)
	926-0538	1	Third Auger Welded Assembly (SXL3954)
	926-0539	1	Third Auger Welded Assembly (SXR400/500/600)
21	901-0593-4	2	3rd Auger Guide (SXL3954)
21	901-0644	1	3rd Auger Support Weldment (SXL3954)

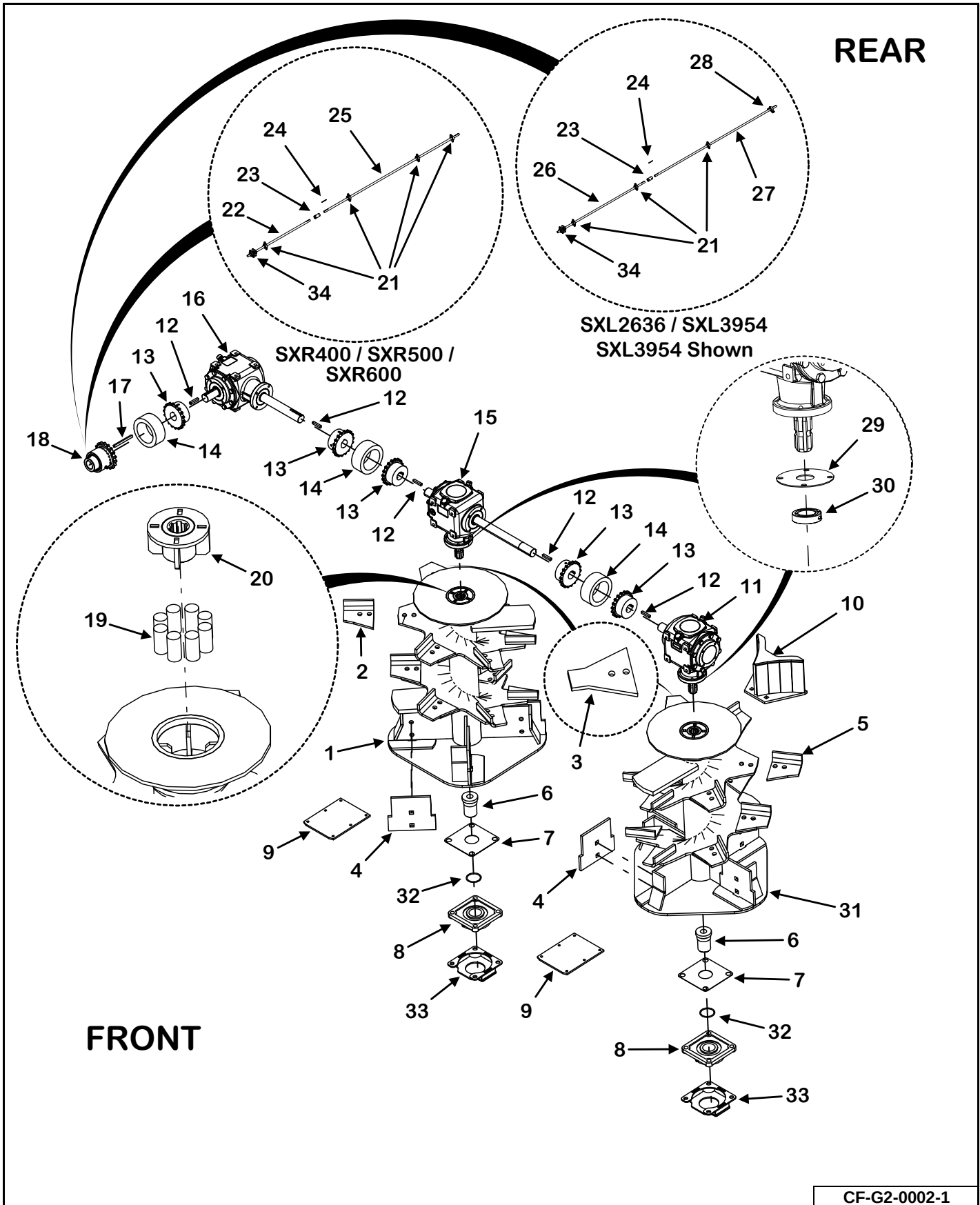
SPINNERS & GEARBOXES



CF-G2-0002-1

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
	881-6331-2Z	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 83	1	Left Spinner Gearbox
	851-M12-1.75-30-1	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 82	1	Right Spinner Gearbox
	851-M12-1.75-30-Z	4	M12-1.75 x 30mm Grade 8 Bolt
	805-0050-Z	4	Washer

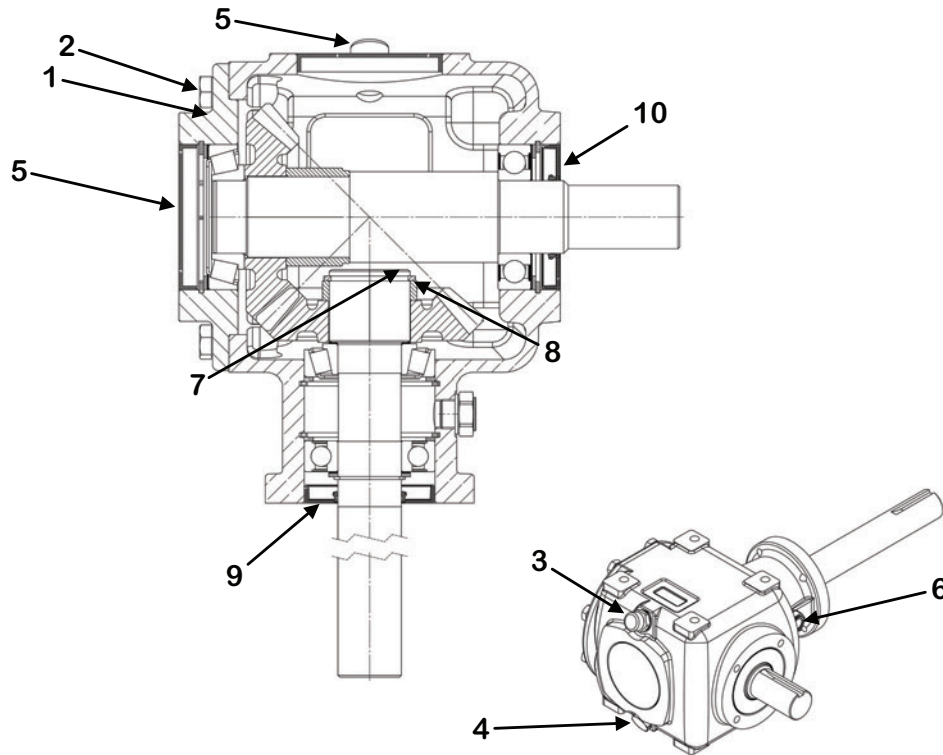
SPINNERS & GEARBOXES (CONT'D)



CF-G2-0002-1

KEY	PART NUMBER	QTY	DESCRIPTION
16	See Page 80	1	540 RPM Corner Gearbox
	See Page 81	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 & SXR600)
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	901-0755	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
34	See Page 60	2	1-3/8" 4-Bolt Flange Bearing

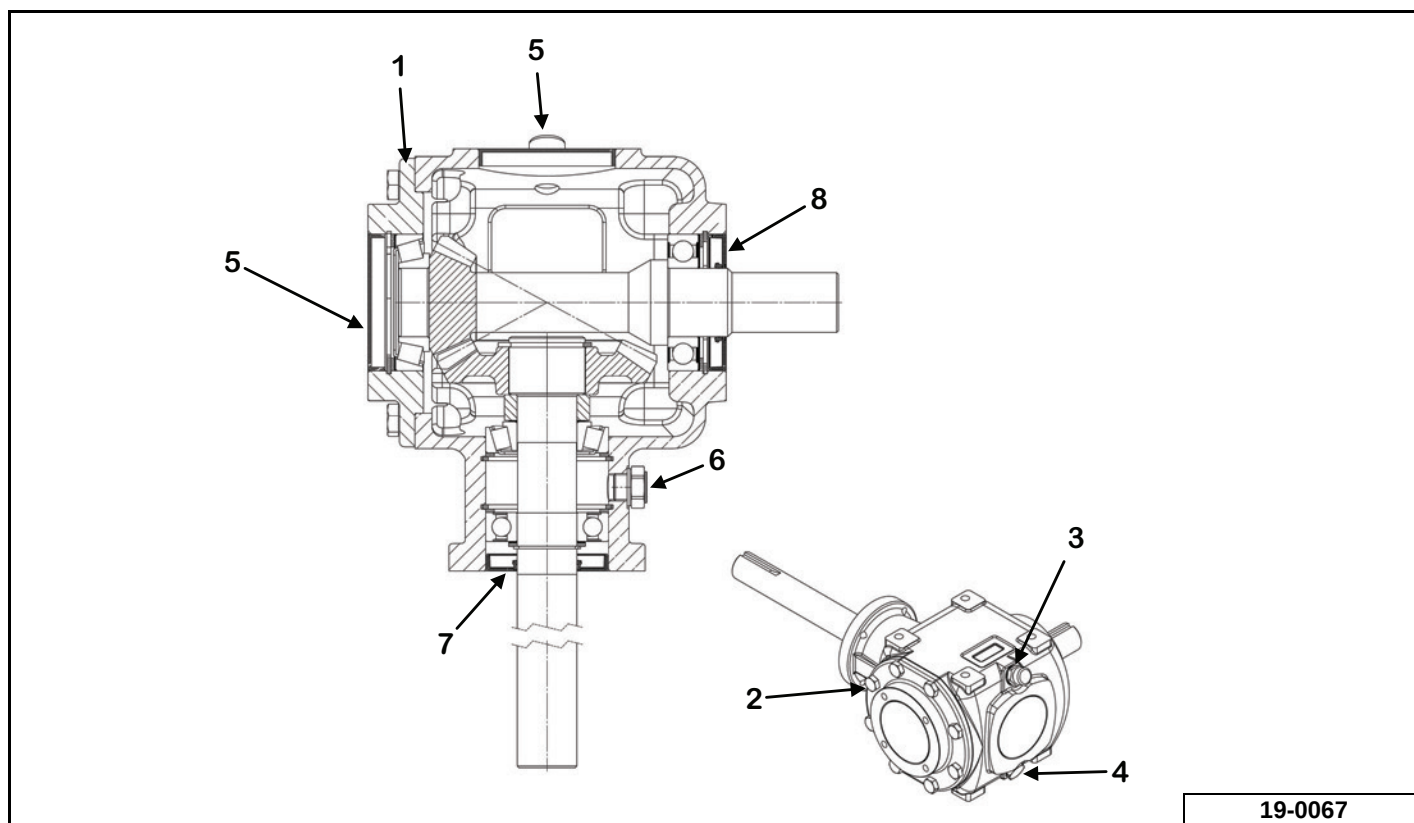
540 RPM CORNER GEARBOX



19-0066

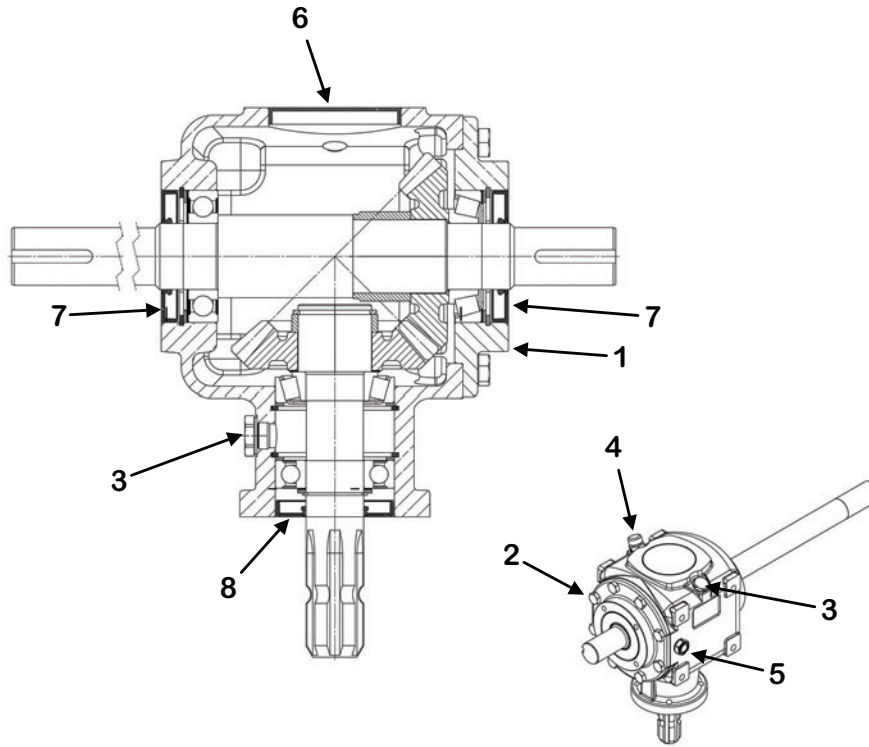
KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0066	1	540 RPM Complete Corner Gearbox Assembly
1	119-B-56	1	Cover
2	119-B-57	8	M10 x 20 Bolt
3	119-B-03	1	Breather Plug
4	119-B-02	1	Plug
5	119-B-59	2	Cap
6	119-B-58	1	Oil Visual Level Indicator
7	119-B-33	1	Retaining Ring
8	119-B-73	1	Spacer
9	119-B-84	1	Oil Seal Ring
10	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-56	1	Cover
2	119-B-57	8	M10 x 20 Bolt
3	119-B-03	1	Breather Plug
4	119-B-02	1	Plug
5	119-B-59	2	Cap
6	119-B-58	1	Oil Visual Level Indicator
7	119-B-84	1	Oil Seal Ring
8	119-B-71	1	Oil Seal Ring

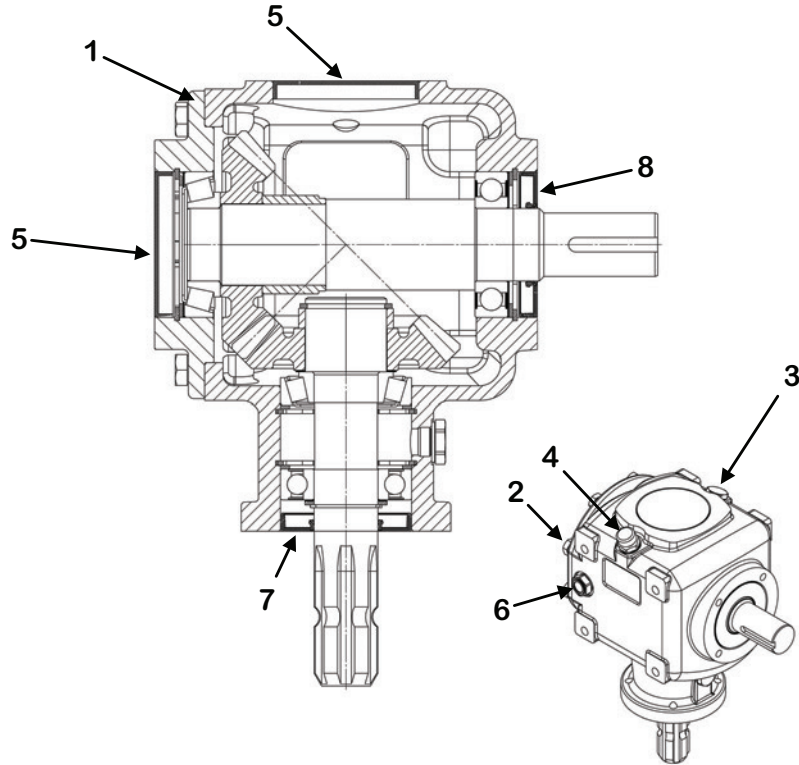
RIGHT SPINNER GEARBOX



19-0068

KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0068	1	Complete Right Spinner Gearbox Assembly
1	119-B-56	1	Cover
2	119-B-57	8	M10 x 20 Bolt
3	119-B-02	2	Plug
4	119-B-03	1	Breather Plug
5	119-B-58	1	Oil Visual Level Indicator
6	119-B-59	1	Cap
7	119-B-71	2	Oil Seal Ring
8	119-B-84	1	Oil Seal Ring

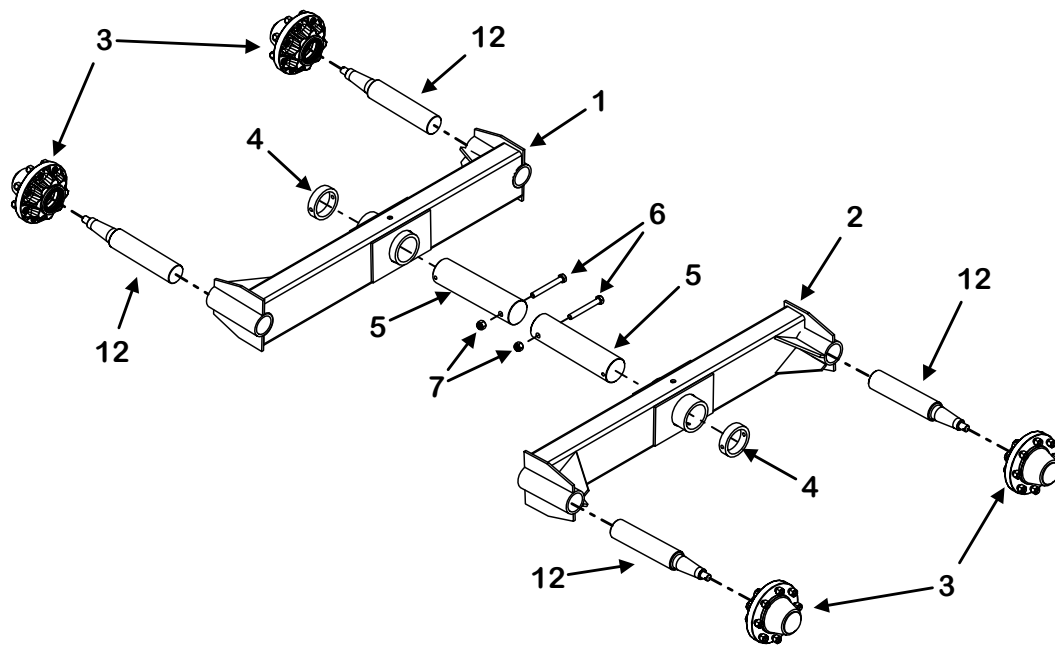
LEFT SPINNER GEARBOX



19-0069

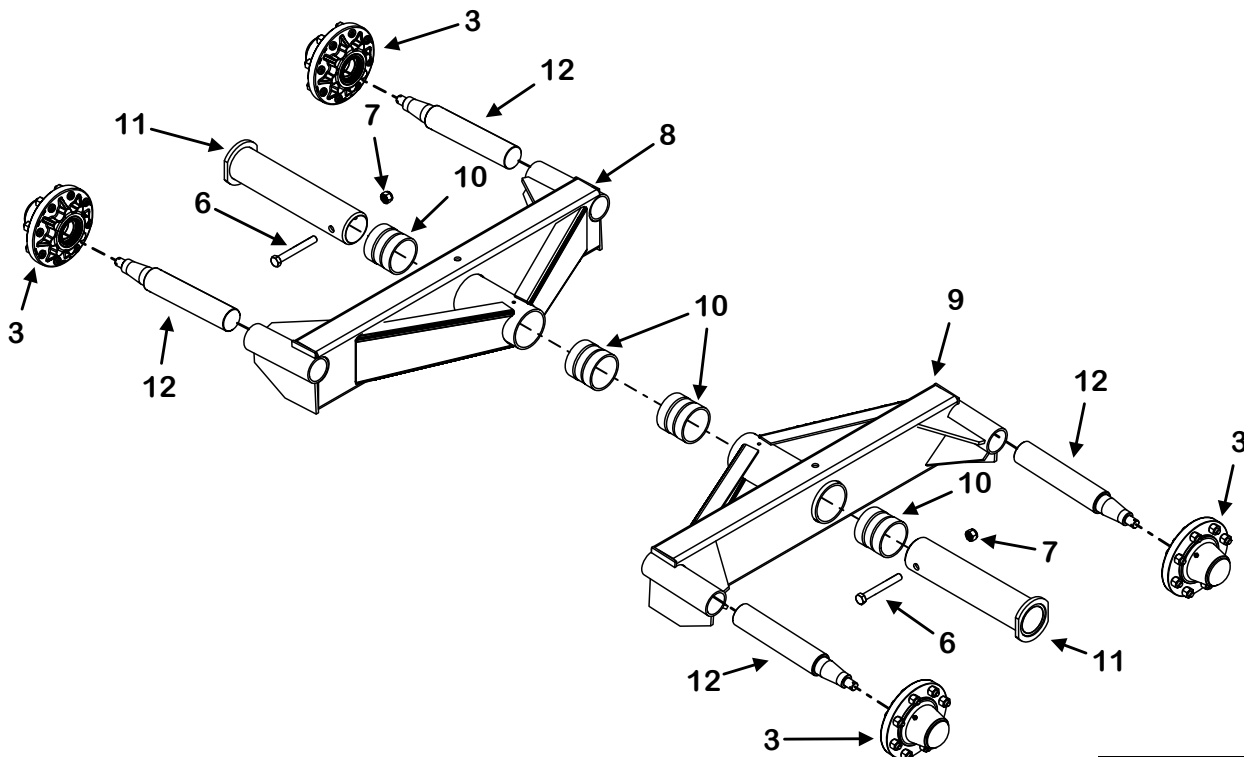
KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0069	1	Complete Left Spinner Gearbox Assembly
1	119-B-56	1	Cover
2	119-B-57	8	M10 x 20 Bolt
3	119-B-02	2	Plug
4	119-B-03	1	Breather Plug
5	119-B-59	2	Cap
6	119-B-58	1	Oil Visual Level Indicator
7	119-B-84	1	Oil Seal Ring
8	119-B-71	1	Oil Seal Ring

SPINDLES & O-BEAMS (SXL2636T / SXL3954T)



SXRL-C-0011

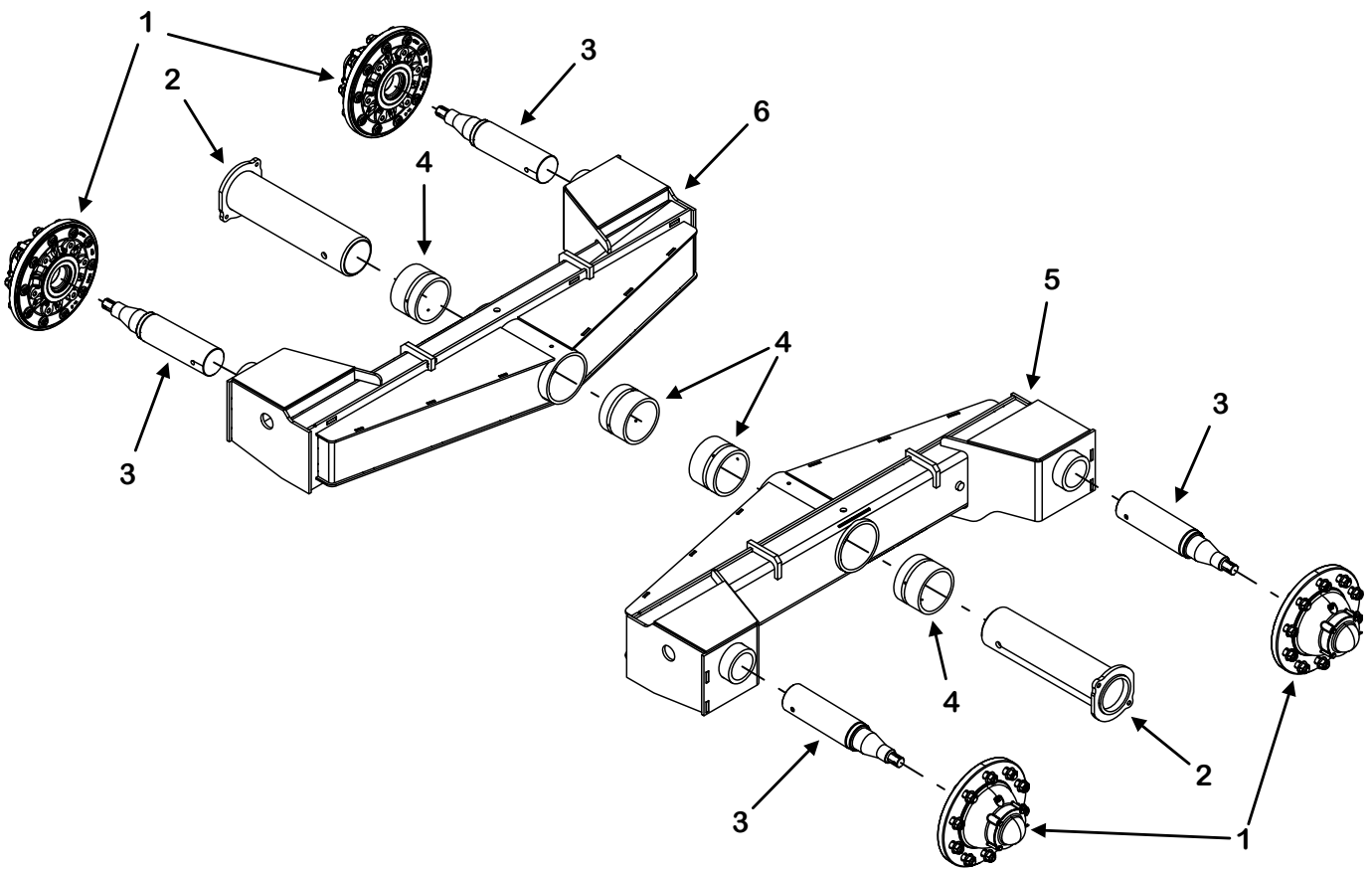
SPINDLES & O-BEAMS (SXR400T / SXR500T)



SXRL-C-0012

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)
	301-3899	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 90	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
12	75-0104	4	Spindle (SXL2636,SXR400)
	75-0107	4	Spindle (SXL3954,SXR500)

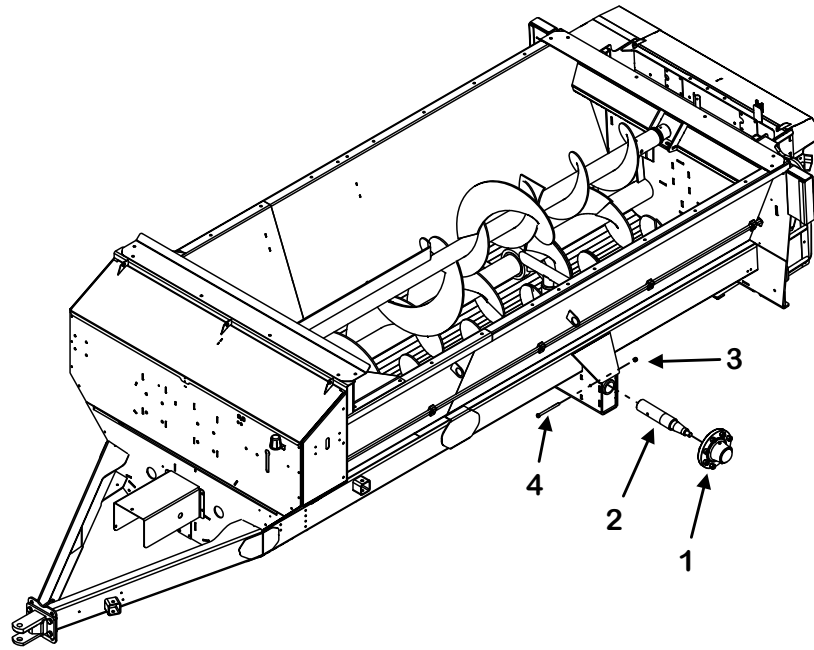
SPINDLES & O-BEAMS (SXR600T)



CF-G2-0001-8

KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 92	4	Hub Assembly
2	901-0988	2	Axle Pivot Shaft Weldment
3	75-2029-2	4	O-Beam Spindle
4	901-8720-10-1-4	4	O-Beam Pivot Nylon Bushing
5	901-0984-1	1	Left O-Beam Welded Assembly
	901-0984	1	Left O-Beam Assembly (Includes Key #s 1, 3 & 4)
6	901-0985-1	1	Right O-Beam Welded Assembly
	901-0985	1	Right O-Beam Assembly (Includes Key #s 1, 3 & 4)

SXL2636 SINGLE AXLE COMPONENTS

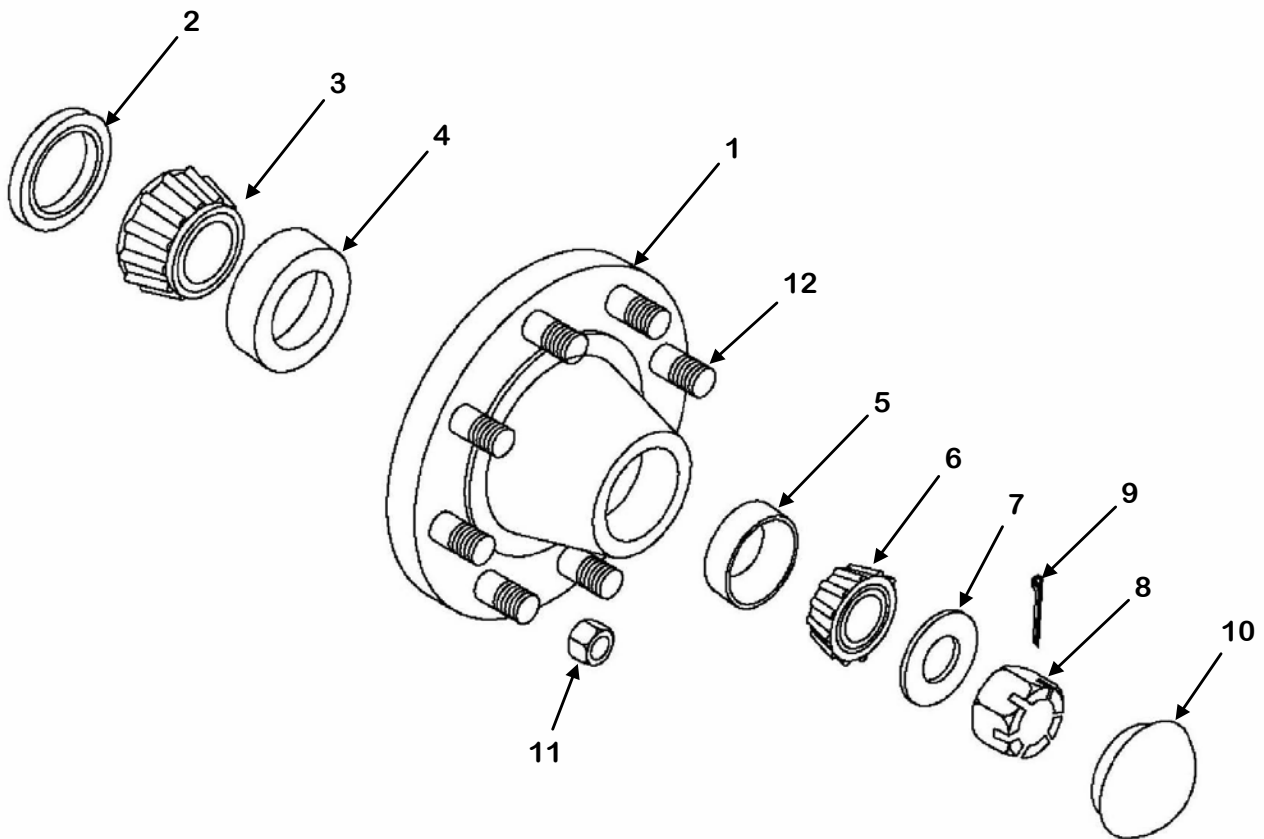


SXRL-C-0013

KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 90	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



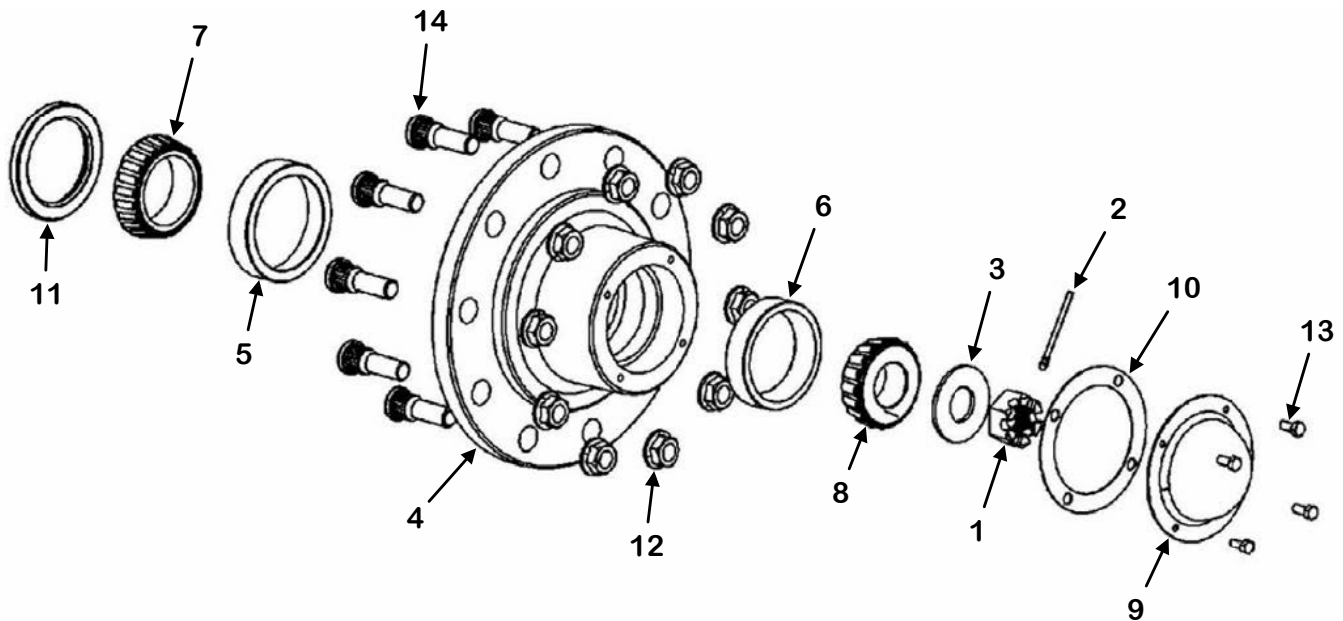
HUB ASSEMBLY (SXL2636/2636T/3954T, SXR400T/500T)



75-0205&0207

KEY	PART NUMBER	QTY	DESCRIPTION
0	75-0205	2/4	Hub Assembly Complete (SXL2636 / SXL2636T & SXR400)
	75-0207	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 2-1/4" Stud Bolt (SXL3954 & SXR500)
NS	30-0002	1	1/8" NPT Straight Zerk

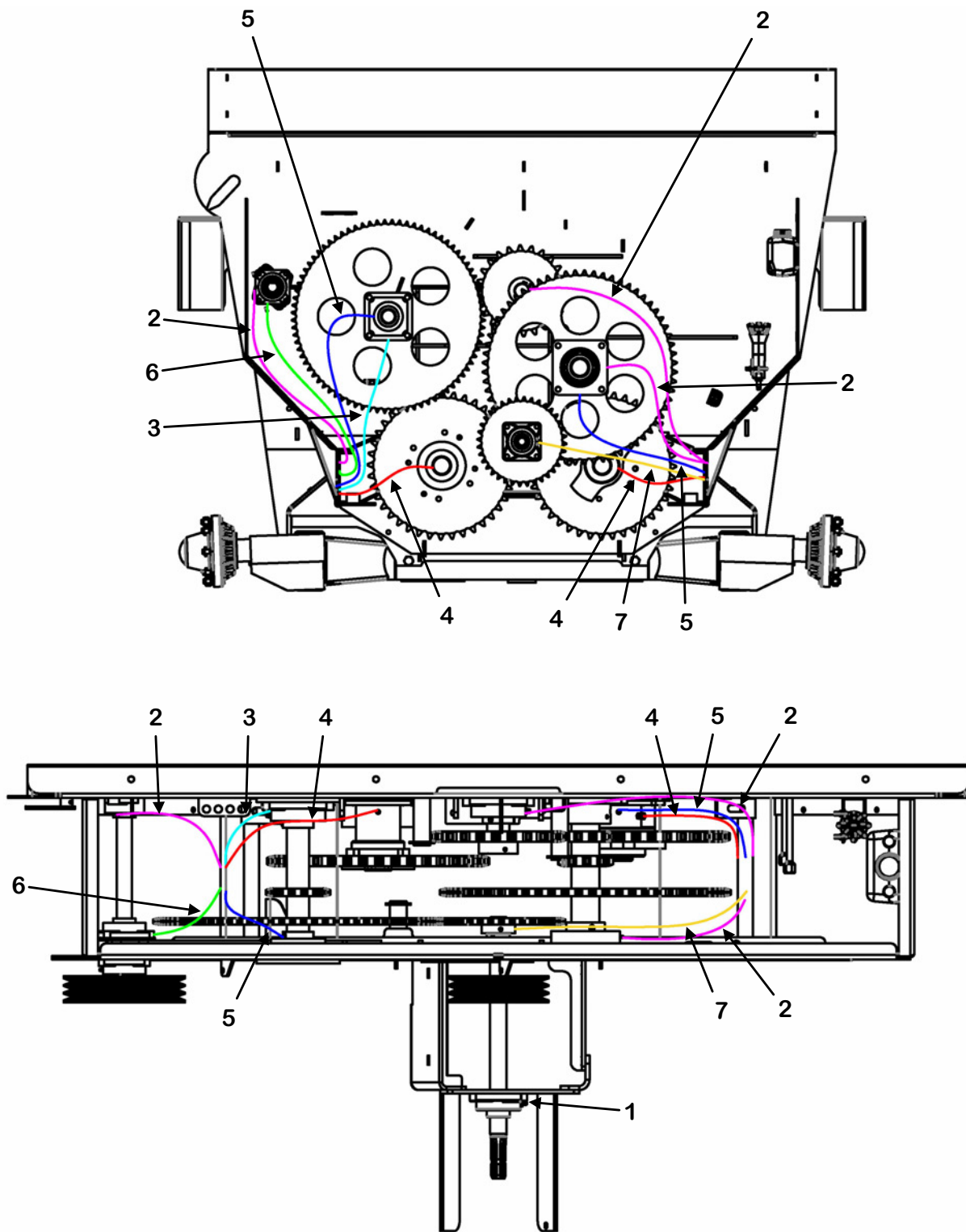
HUB ASSEMBLY (SXR600T)



75-0219A

KEY	PART NUMBER	QTY	DESCRIPTION
0	75-0219	1	Hub Assembly
1	75-0208-8	1	Castle Nut
2	823-25-3Z	1	Cotter Pin
3	75-0208-7	1	Washer
4	75-0219-1	1	Hub with Bearing Races
5	75-0211-4	1	Inner Wheel Race
6	75-0208-5	1	Outer Wheel Race
7	75-0211-3	1	Inner Wheel Bearing Cone
8	75-0208-6	1	Outer Wheel Bearing Cone
9	75-0208-10	1	Hub Cap
10	75-0208-14	1	Hub Cap Gasket
11	75-0211-2	1	Grease Seal
12	75-0208-11	10	3/4"-16 Lug Nut-Flanged, Grade 8, Torque 378 ft/lbs
13	75-0208-13	4	Hex Bolt, 0.3125-18 x .75
14	75-0208-12	10	3/4"-16 Lug Bolt

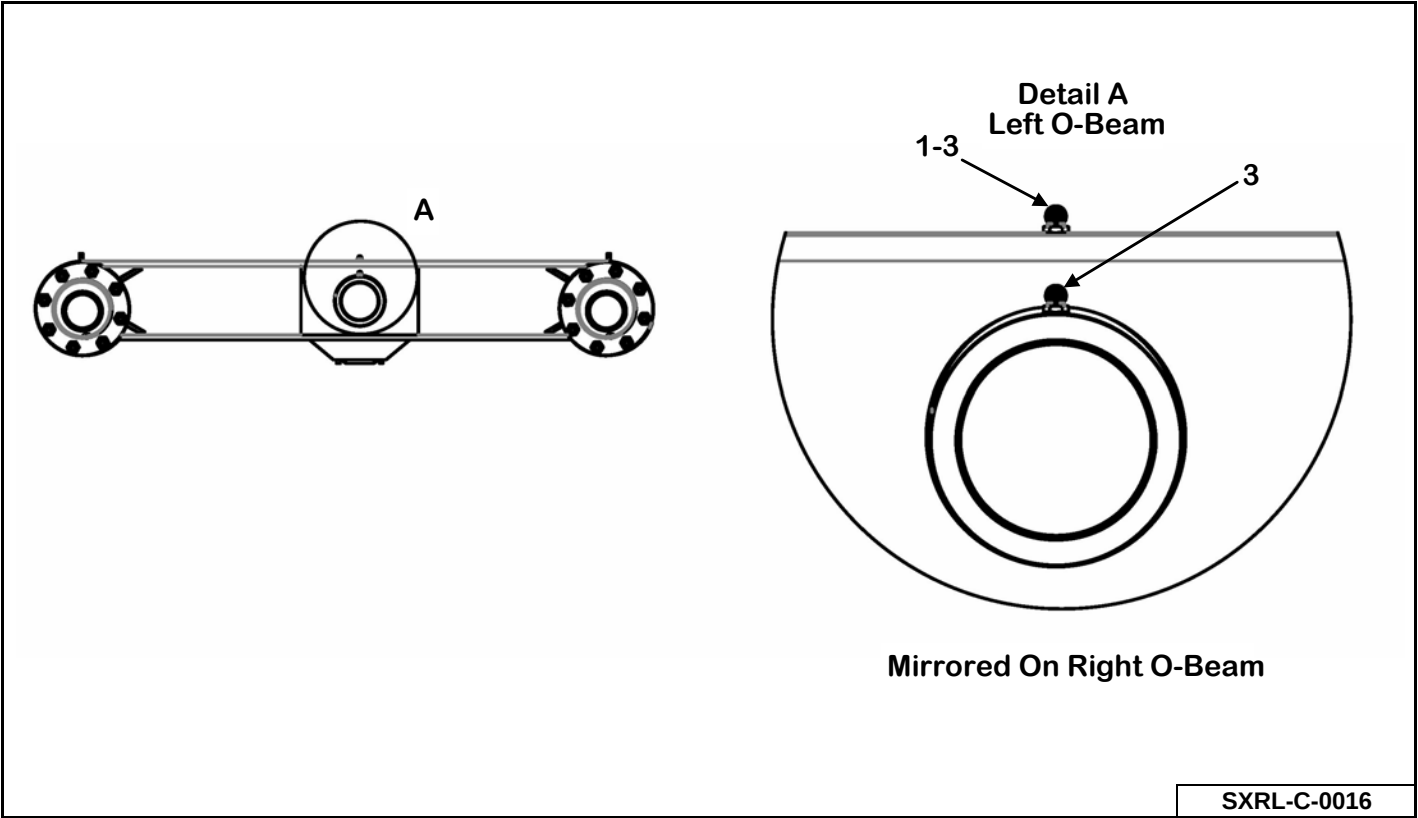
FRONT GREASE HOSES



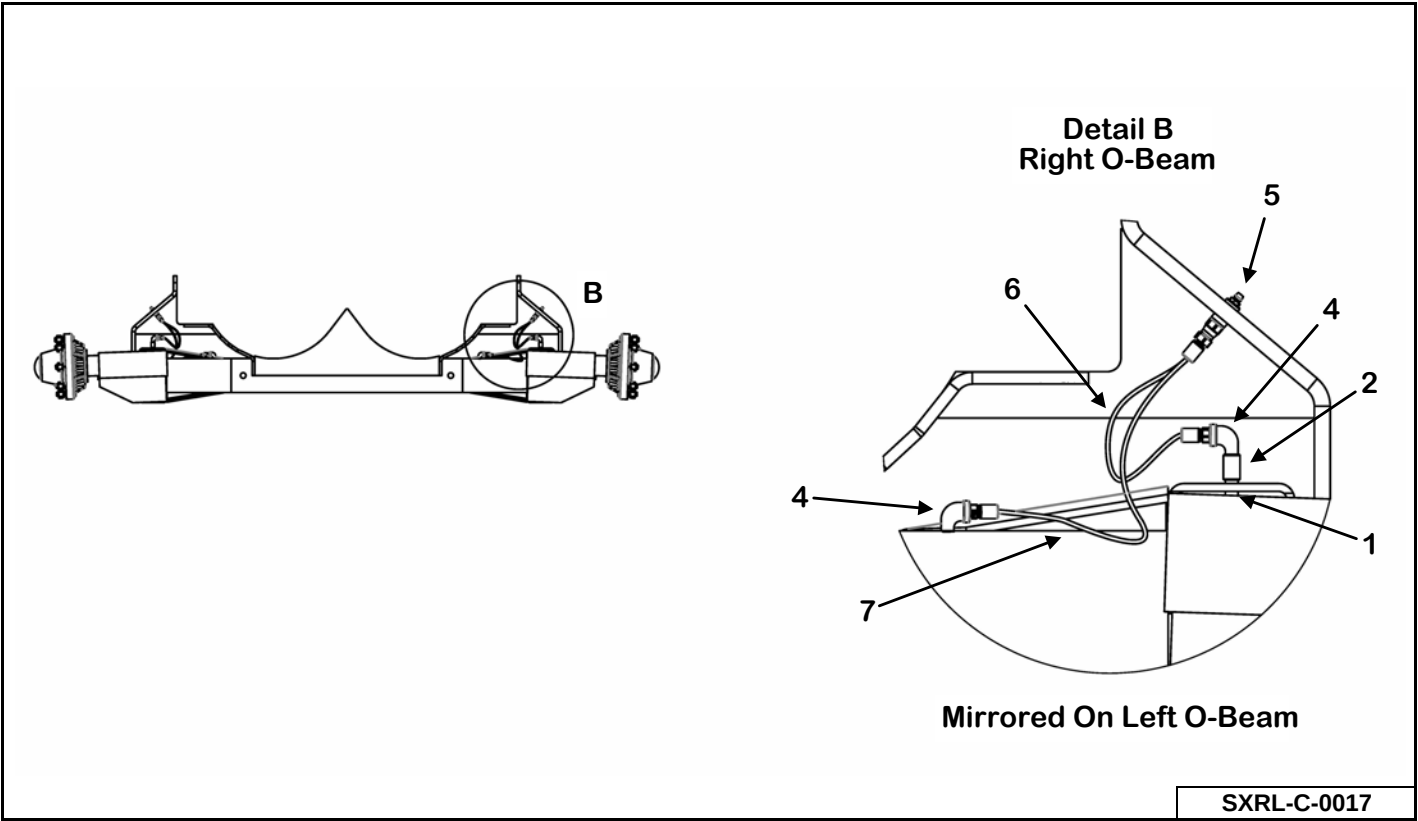
CF-G2-0004-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	30-0023	1	1/8" NPT Nipple 2-1/2" Long
	30-0009	1	1/8" NPT Coupler
	30-0002	1	1/8" NPT Straight Zerk
2	155-02-35-1	3	1/8" 35" Grease Hose Assembly
	155-2GK-NUT	1 per	Bulkhead Adapter Nut
	30-0001	1 per	1/4-28 Straight Zerk
3	155-02-28-1	1	1/8" 28" Grease Hose Assembly
	155-2GK-NUT	1	Bulkhead Adapter Nut
	30-0001	1	1/4-28 Straight Zerk
4	155-02-17-1	2	1/8" 17" Grease Hose Assembly
	155-2GK-NUT	1 per	Bulkhead Adapter Nut
	30-0001	1 per	1/4-28 Straight Zerk
5	155-02-24-1	2	1/8" 24" Grease Hose Assembly
	155-2GK-NUT	1 per	Bulkhead Adapter Nut
	30-0001	1 per	1/4-28 Straight Zerk
6	155-02-38-1	1	1/8" 38" Grease Hose Assembly
	155-2GK-NUT	1	Bulkhead Adapter Nut
	30-0001	1	1/4-28 Straight Zerk
7	155-02-30-1	1	1/8" 30" Grease Hose Assembly
	155-2GK-NUT	1	Bulkhead Adapter Nut
	30-0001	1	1/4-28 Straight Zerk

SXL2636T / SXL3954T O-BEAM GREASE HOSES

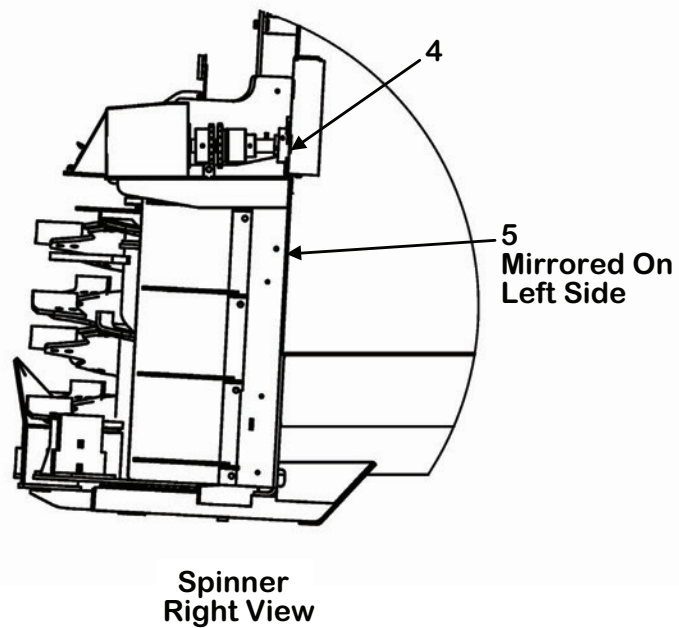
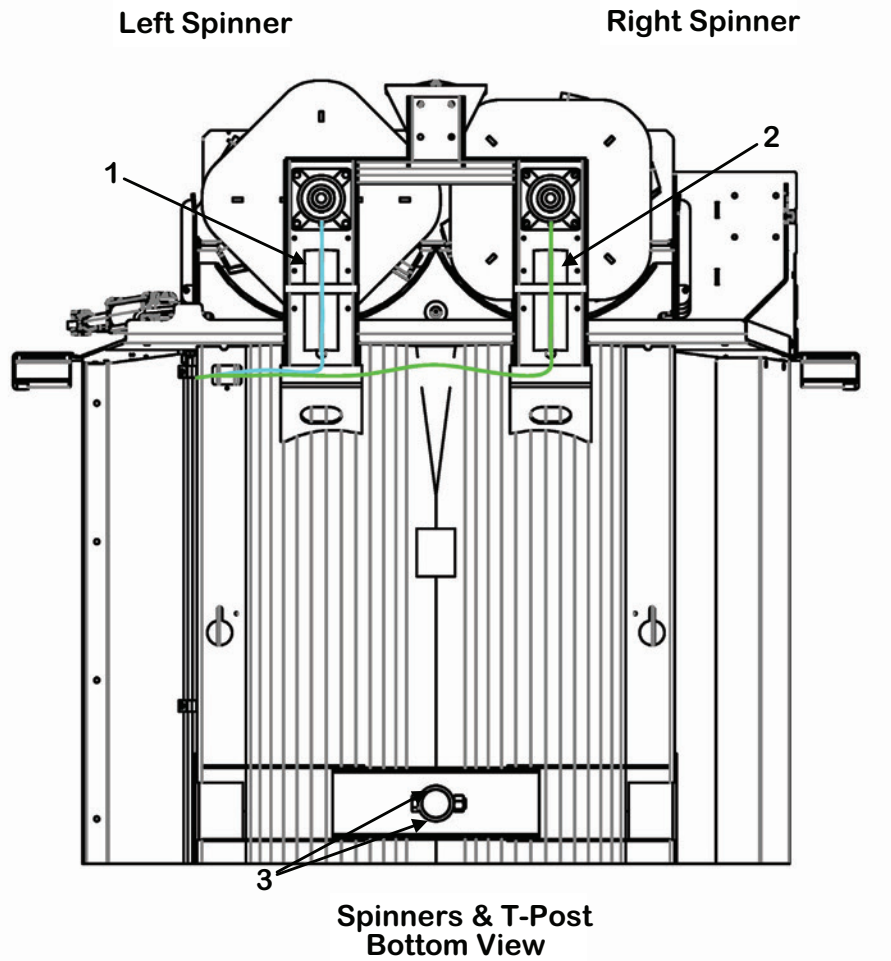


SXR400 / SXR500 / SXR600 O-BEAM GREASE HOSES



KEY	PART NUMBER	QTY	DESCRIPTION
1	30-0008	2/2	1/8" NPT Nipple
2	30-0009	2/2	1/8" NPT Coupler
3	30-0006	4	1/8" NPT 90° Zerk
4	30-0020	4	1/8" NPT Street 90°
5	30-0002	4	1/8" NPT Straight Zerk
6	155-02-10-1	2	1/8" x 10" Grease Hose Assembly
7	155-02-16-1	2	1/8" x 16" Grease Hose Assembly

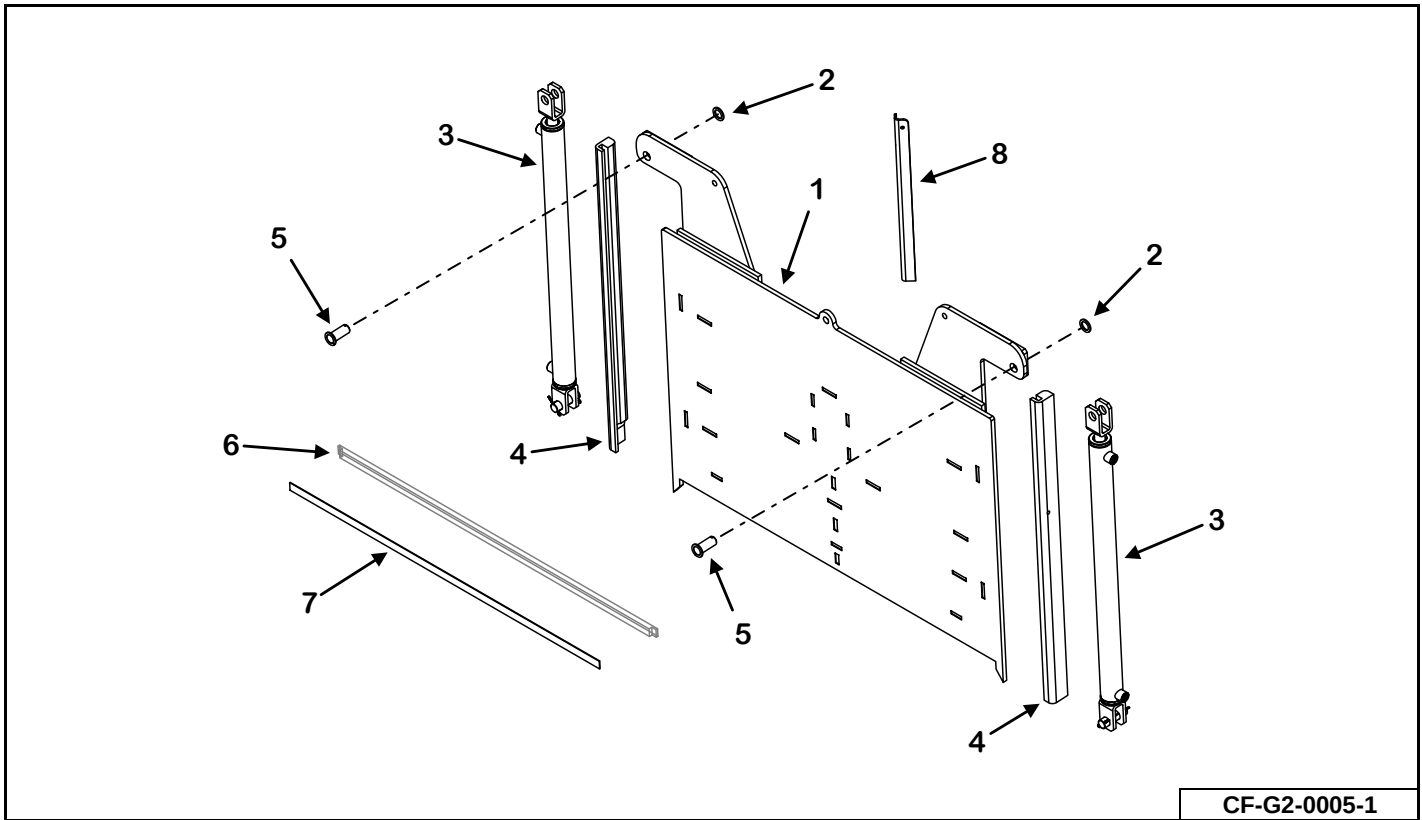
REAR GREASE HOSES



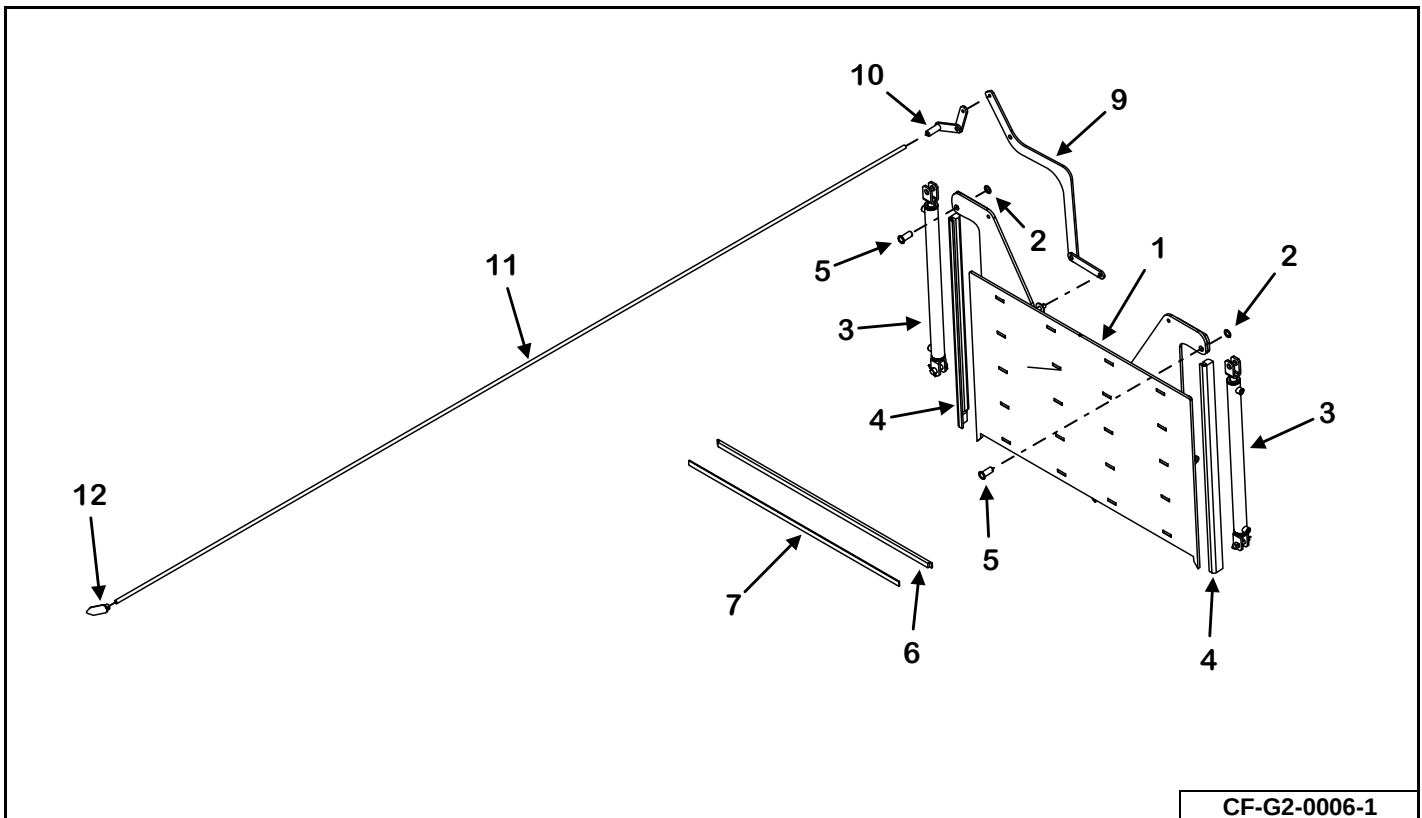
SXRL-C-0018

KEY	PART NUMBER	QTY	DESCRIPTION
1	155-02-30-1	1	1/8" x 30" Grease Hose Assembly
	155-2GK-NUT	1	Bulkhead Adapter Nut
	30-0001	1	1/4"-28 Straight Fitting
2	155-02-55-1	1	1/8" x 55" Grease Hose Assembly
	155-2GK-NUT	1	Bulkhead Adapter Nut
	30-0001	1	1/4"-28 Straight Fitting
3	30-0003	2	1/4"-28 45° Zerk
4	30-0020	1	1/8" NPT Street 90° (SXL2636, SXL3954)
	30-0023	1	1/8" x 2-1/2" NPT Nipple (SXL2636, SXL3954)
	30-0002	1	1/8" NPT Straight Zerk (SXL2636, SXL3954)
	30-0016	1	1/8" x 3/4" NPT Nipple (SXR400, SXR500, SXR600)
	30-0009	1	1/8" NPT Coupler
5	30-0025	2	1/8"-27 Self Threading Straight NPT Zerk

REAR GATE (SXL2636/3954, SXR400)

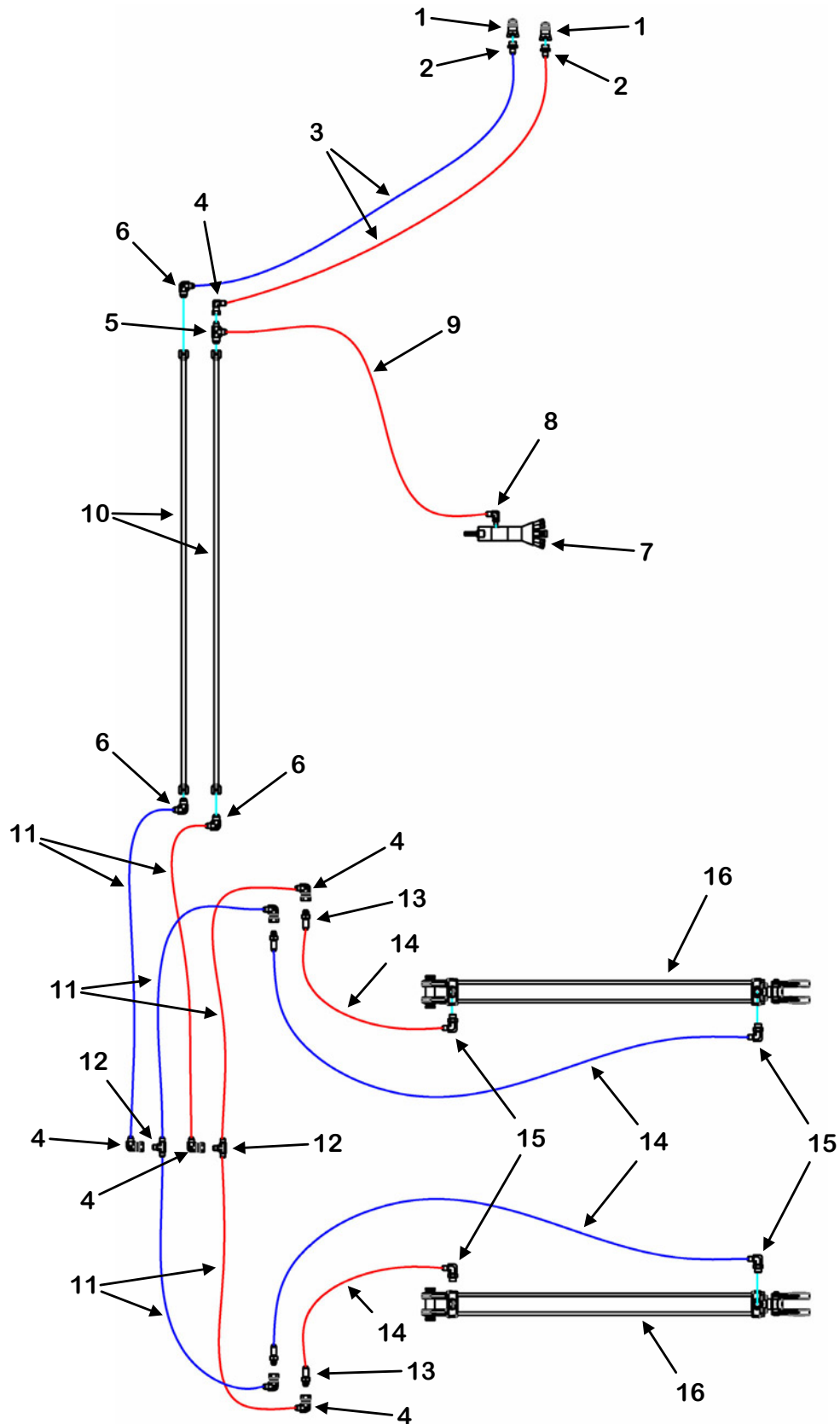


REAR GATE (SXR500, SXR600)



KEY	PART NUMBER	QTY	DESCRIPTION
1	901-0952	1	Rear Door Weldment (SXL2636/3954 & SXR400)
	901-0975	1	Rear Door Weldment (SXR500/600)
2	808-1-1.5-10	2	1-1/2" MB
3	See Page 102	2	2" x 30" x 1-1/8" Hydraulic Cylinder
4	949-0511	1	Right Poly Door Slide
	949-0510	1	Left Poly Door Slide
5	901-0973	2	Attachment Stake Pin Assembly
6	949-0505	1	Door Seal Poly
7	901-0610-26	1	Door Seal Spacer
8	901-0584-8	1	Door Indicator Angle (Welded On) (SXL2636/3954 & SXR400)
9	925-0644	1	Gate Indicator Linkage Assembly (SXR500/600)
10	925-3767	1	Indicator Linkage Arm Welded Assembly (SXR500/600)
11	925-0645	1	Gate Indicator Pipe (SXR500/600)
12	925-0508	1	Gate Indicator Weldment (SXR500/600)

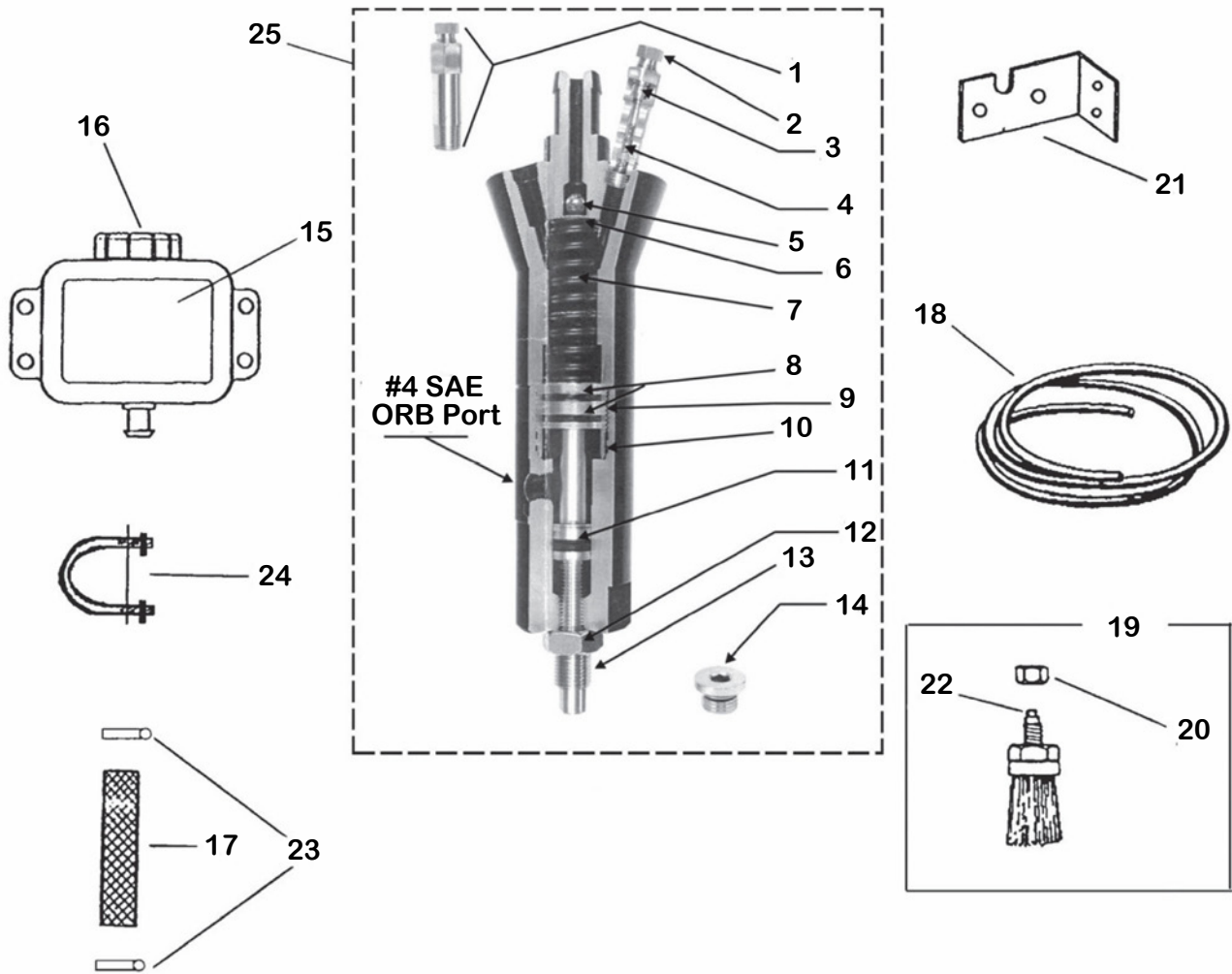
STANDARD HYDRAULICS



CF-G2-0003-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	155-8010-15	2	#8 ORB Male Top, 1/2" Body Size
2	155-6400-6-8	2	#6 JIC Male, #8 ORB Male, Straight Adapter
3	155-06R17-170-1	2	3/8" x 170" Hose Assembly
	55-0324	3	Hose Clamps
	851-3118-2Z	2	5/16" x 2" Hex Bolt
	805-0031-Z	4	5/16" Washer
	815-3118-Z	2	5/16" Nylon Insert Nut
4	155-6500-06-06	7	#6 JIC Male, #6 JIC Female, Swivel 90° Adapter
5	155-2603-08-06-06	1	#8 JIC Male, #6 JIC Male #6 JIC Male Tee Adapter
6	155-2500-08-06	3	#8 JIC Male, #6 JIC Male, 90° Adapter
7	See Page 104	1	Oiler Pump
8	155-6801-06-04	1	#6 JIC Male, #4 ORB Male 90° Adapter
9	155-04-19-1	1	1/4" x 19" Hose Assembly
10	55-0364	2	1/2" x 184-3/8" HYD Tubing (SXRG400/500/600)
	55-0365	2	1/2" x 218-7/8" HYD Tubing (SXLG3954)
	55-0366	2	1/2" x 148-3/8" HYD Tubing (SXLG2636)
11	155-06R17-41-1	6	3/8" x 41" Hose Assembly
12	155-2603-06-06-06	2	#6 JIC Male, #6 JIC Male, #6 JIC Male Tee Adapter
13	155-2700-LN-06-06	4	#6 JIC Male, #6 JIC Male, Straight Adapter
14	155-06R17-16-1	4	3/8" x 16" Hose Assembly
15	155-6801-6-8	4	#6 JIC Male, #8 ORB Male 90° Adapter
16	155-2-30-1.125-1	2	2" x 30" x 1-1/8" Hydraulic Cylinder
NS	55-0324	3	Twin Series Clamp
	851-3118-2Z	2	5/16"-18 x 2" Hex Bolt
	805-0031-Z	2	5/16" Flat Washer
	815-3118-Z	2	5/16"-18 Nylon Lock Nut

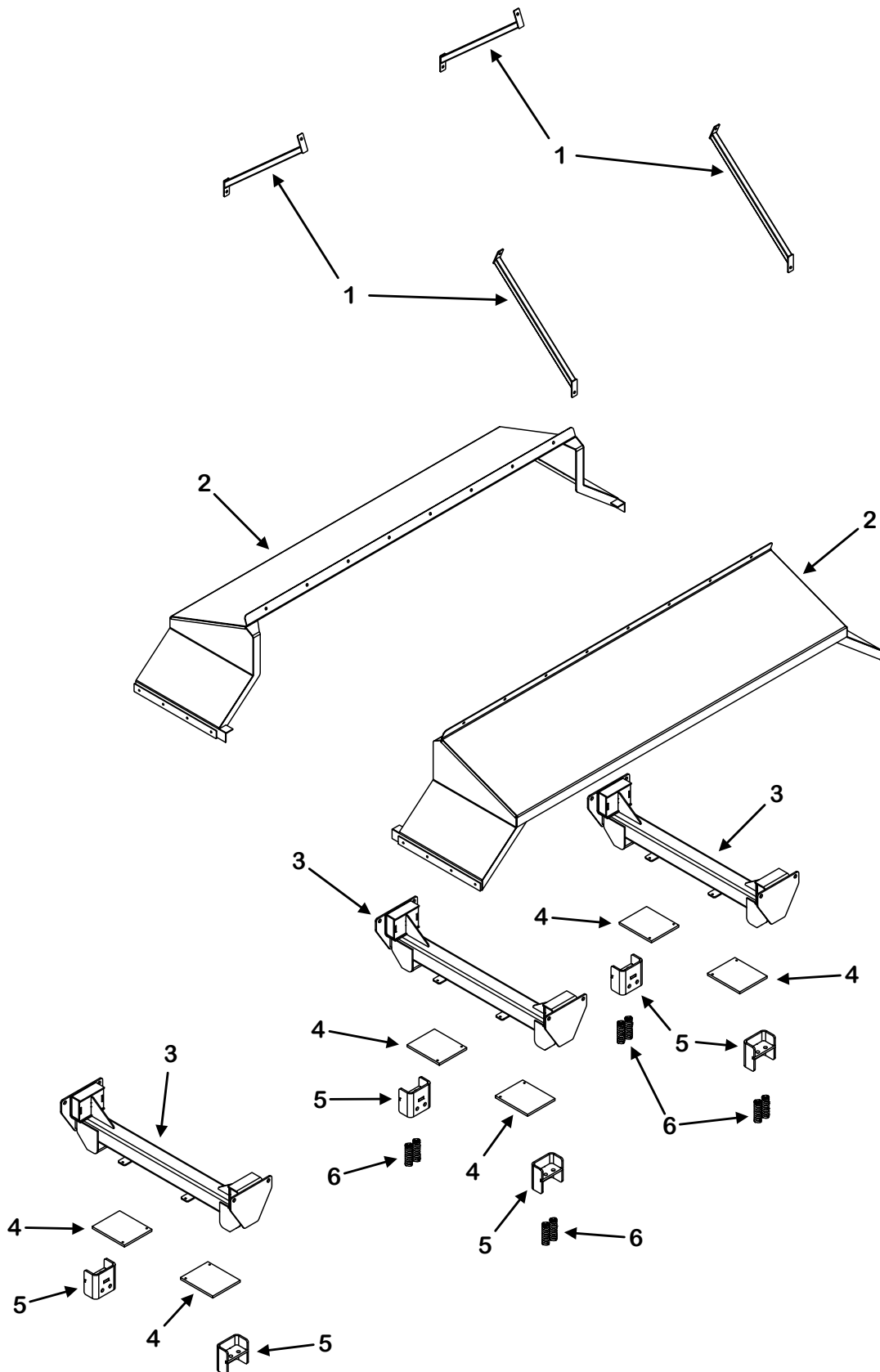
OIL-KIT



SXI-C-0012-1

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

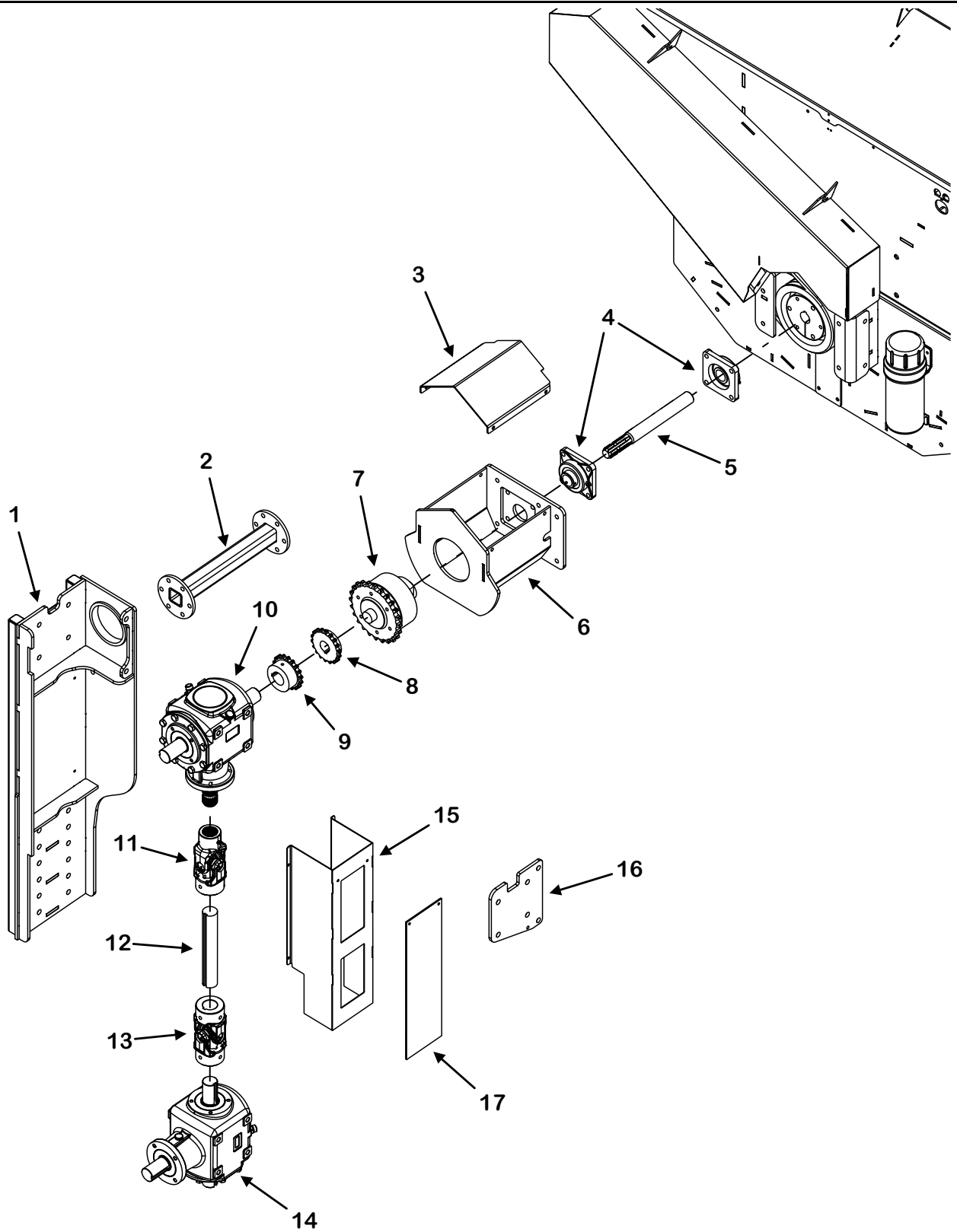
TRUCK MOUNTS & FENDERS



CF-G2-0007-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	901-0816	4	Fender Strut Weldment
2	901-0815	2	Truck Fender Weldment
3	901-0812	3	Mount Weldment
4	949-3754	6	Truck Mount Poly Cushion
5	901-0733	6	Truck Frame Mount Bracket Weldment
6	929-0004	8	Die Spring

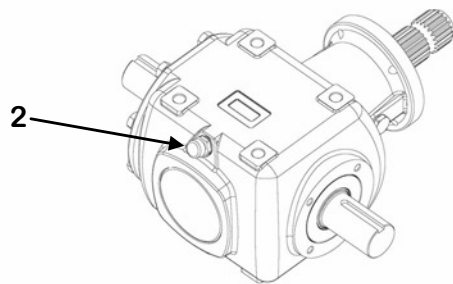
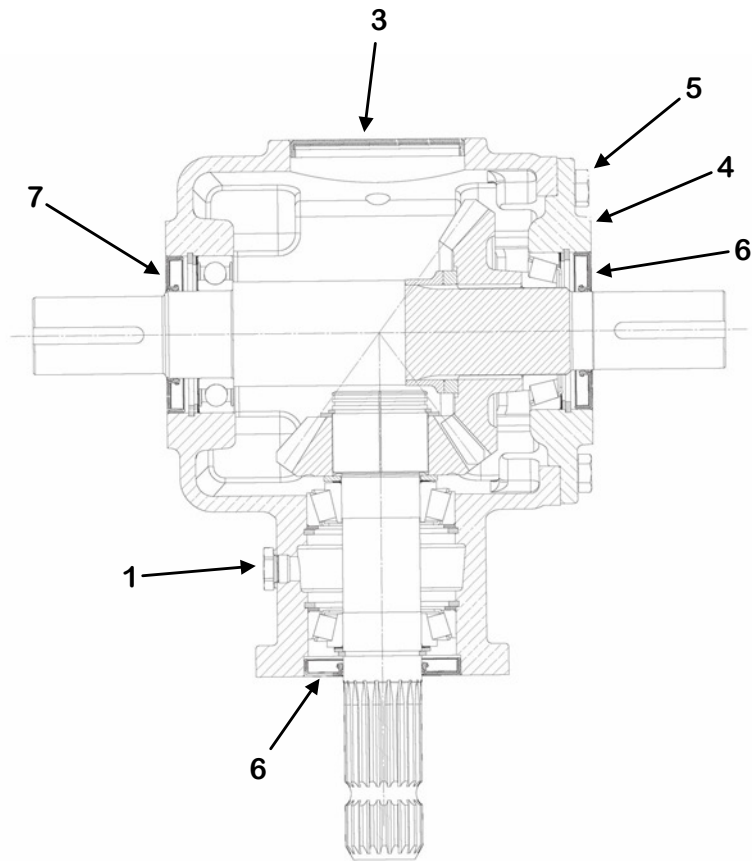
TRUCK MOUNT FRONT DRIVE



CF-G2-0007-2

KEY	PART NUMBER	QTY	DESCRIPTION
1	925-0627-1	1	Gearbox Mount Weldment
2	925-0649-2	1	Strut Weldment
3	924-0627	1	Input Shaft Cover
4	914-3602	2	4-Bolt 1-1/2" Flange Bearing
5	923-0554	1	Input Shaft
6	901-1015	1	Input Plate Weldment
7	918-0220-1	1	Truck Mount Cut-Out Clutch
8	910-0098	1	Sprocket With Bolt Circle
9	937-0010-1-HT	1	Coupler Sprocket, 1-3/4" Bore
10	See Page 110	1	Truck Mount Upper Gearbox
11	618-0005	1	Universal Coupler Joint
12	925-0627-3	1	Coupler Shaft
13	618-0002	1	Universal Coupler Joint
14	See Page 112	1	Truck Mount Lower Gearbox
15	924-0631	1	Driveline Shield Weldment
16	925-0550-6	1	Gearbox Mount Plate
17	49-0532	1	Truck Mount Gearbox Driveline Cover

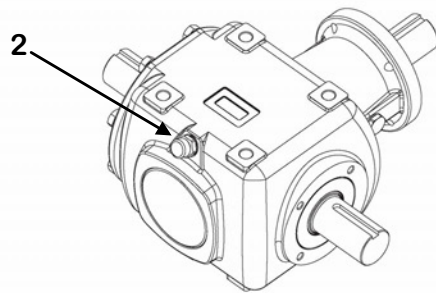
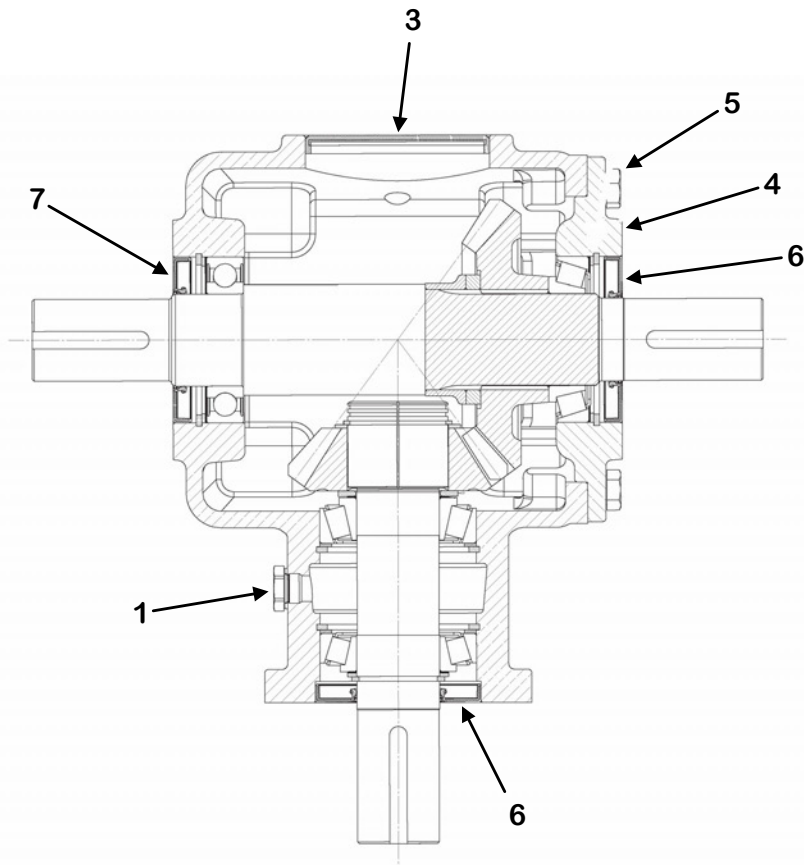
TRUCK MOUNT UPPER GEARBOX



119-R160-1.35-2

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-R160-1.35-2	1	Gearbox
1	119-B-02	2	Oil Level / Drain Plug
2	119-B-03	1	Breather Plug
3	119-B-04	1	Cap
4	119-B-05	1	Top
5	119-B-06	8	M12-30 Bolt
6	119-B-18	2	Seal Ring
7	119-B-20	1	Seal Ring

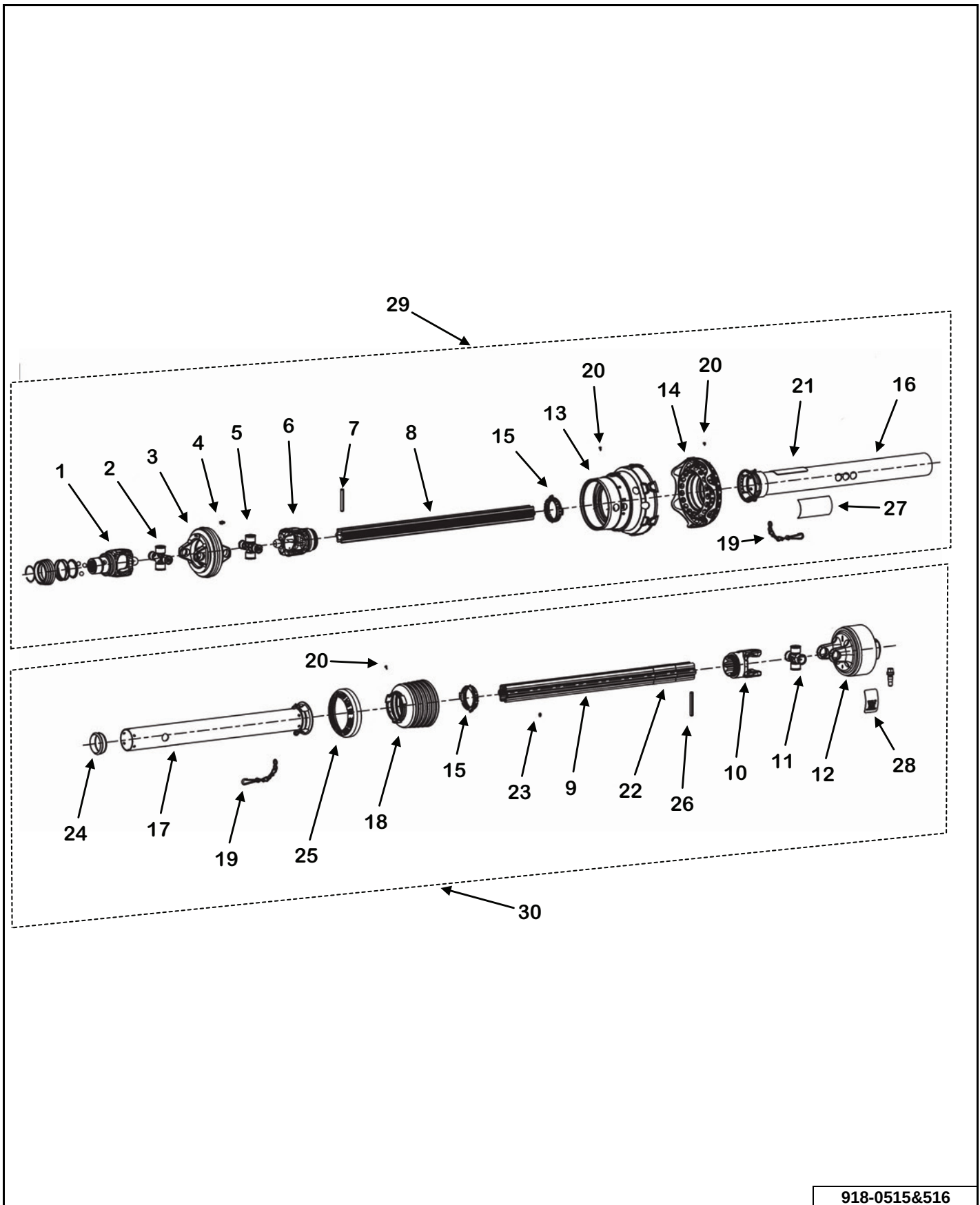
TRUCK MOUNT LOWER GEARBOX



119-R160-1.35-1

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-R160-1.35-1	1	Gearbox
1	119-B-02	2	Oil Level / Drain Plug
2	119-B-03	1	Breather Plug
3	119-B-04	1	Cap
4	119-B-05	1	Top
5	119-B-06	8	M12-30 Bolt
6	119-B-18	2	Seal Ring
7	119-B-20	1	Seal Ring

PTO DRIVE SHAFT



918-0515&516

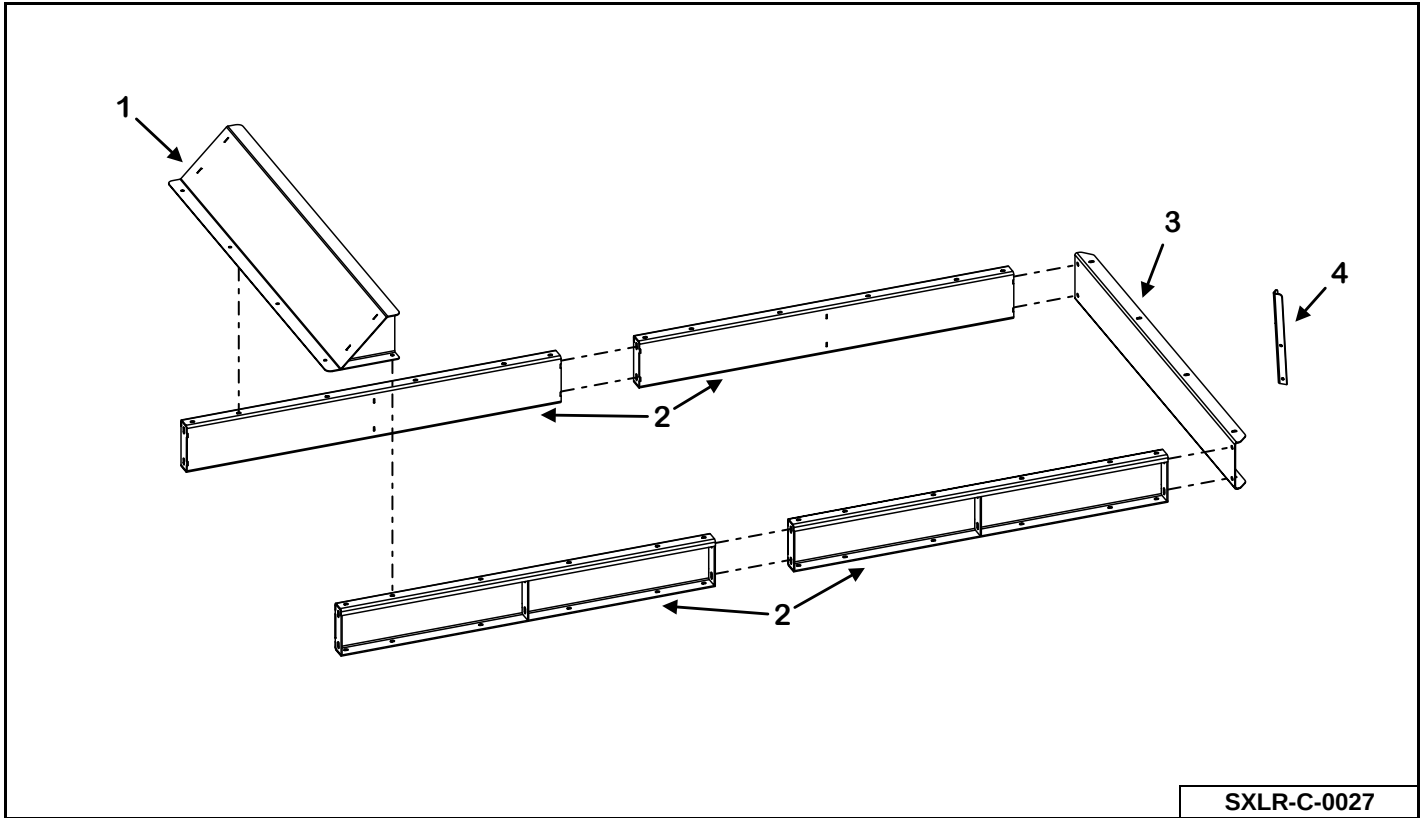
KEY	PART NUMBER	QTY	DESCRIPTION
0	918-0515	1	540 RPM Primary CV Driveline
	918-0516	1	1000 RPM Primary CV Driveline
1	918-0212-1-1	1	Yoke (540 RPM)
	18-0117-1-1-1	1	AS-Lock Kit
	918-0208-1-1	1	Yoke (1000 RPM)
	18-0117-1-1-1	1	AS-Lock Kit
2	918-0212-1-2	1	Cross & Bearing Kit
3	918-0208-1-3	1	Double Yoke
4	918-0208-1-2	1	Zerk
5	918-0208-1-13	1	Cross & Bearing Kit
6	918-0515-1-1	1	Inboard Yoke
7	918-0308-1-5	1	Spring Pin
8	918-0515-1-2	1	Inner Profile
9	918-0515-2-1	1	Profile & Sleeve
10	618-0101-2-2	1	Inboard Yoke
11	918-0208-2-1	1	Cross & Bearing Kit
12	918-0515-2-2	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 Outer
18	618-0001-2-4	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	618-0202-1-10	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	918-0515-1	1	Tractor Half (540 RPM)
	918-0516-1	1	Tractor Half (1000 RPM)
30	918-0515-2	1	Implement Half



10.0 OPTIONAL PARTS

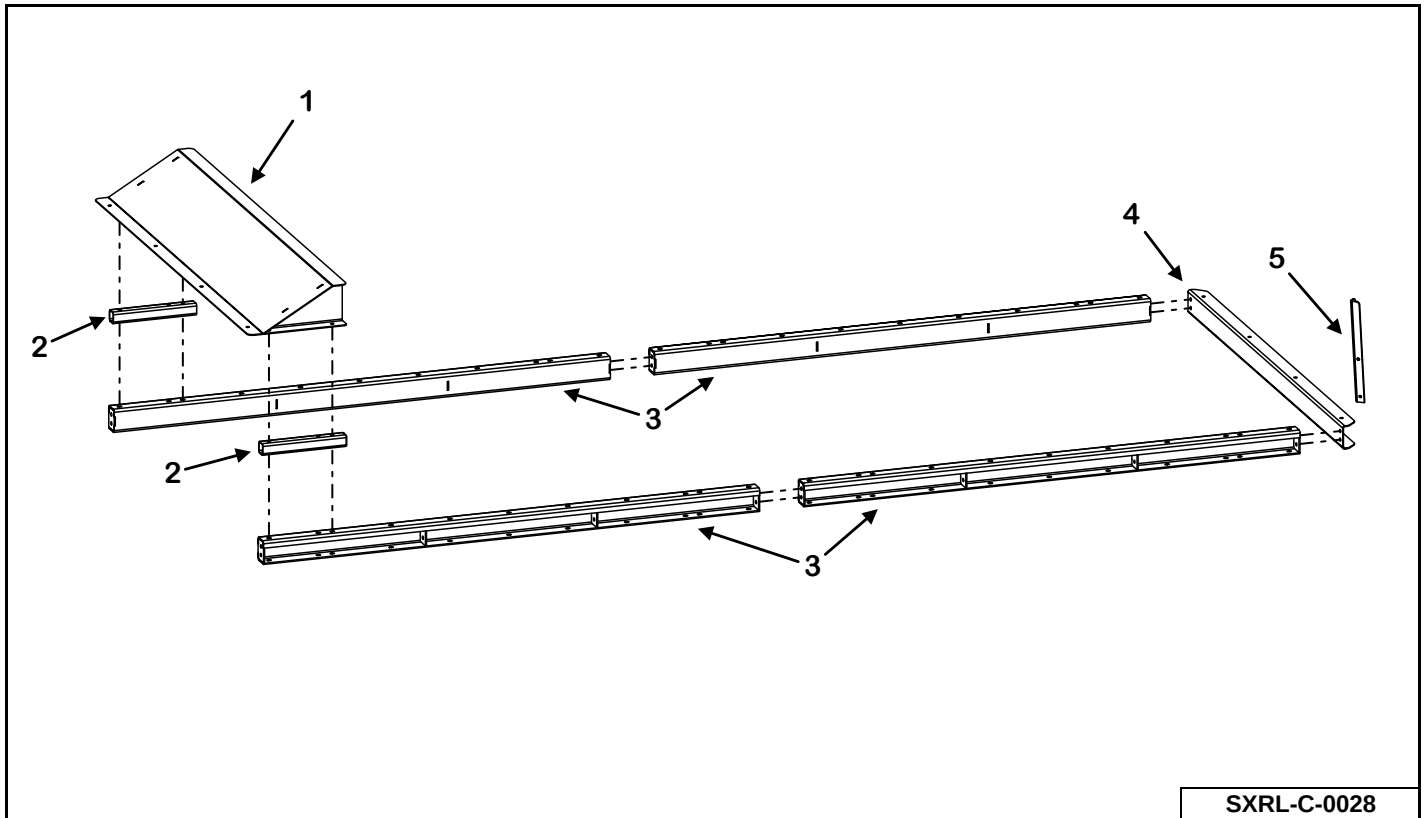
KEY	DESCRIPTION	PAGE #
1	9" SIDE EXTENSIONS (SXL2636/3954)	118
2	4" SIDE EXTENSIONS (SXR400)	119
3	19" FLARED SIDE EXTENSIONS (SXL2636)	120
4	WEIGHT BAR WIRING DIAGRAM (SXR500)	122
5	HIGHWAY LIGHTS (SXR400/500)	124

9" SIDE EXTENSIONS (SXL2636/3954)



KEY	PART NUMBER	QTY	DESCRIPTION
0	SXL-2636-EXT-9K	1	SXL2636 9" Side Extension
	SXL-3954-EXT-9K	1	SXL3954 9" Side Extension
1	901-0598	1	Splash Guard
2	901-0639	4	SXL2636 Side Extension Panel
	901-0596	4	SXL3954 Side Extension Panel
3	901-0597	1	SXL Rear Extension Panel
4	901-0584-9	1	Door Indicator Extension

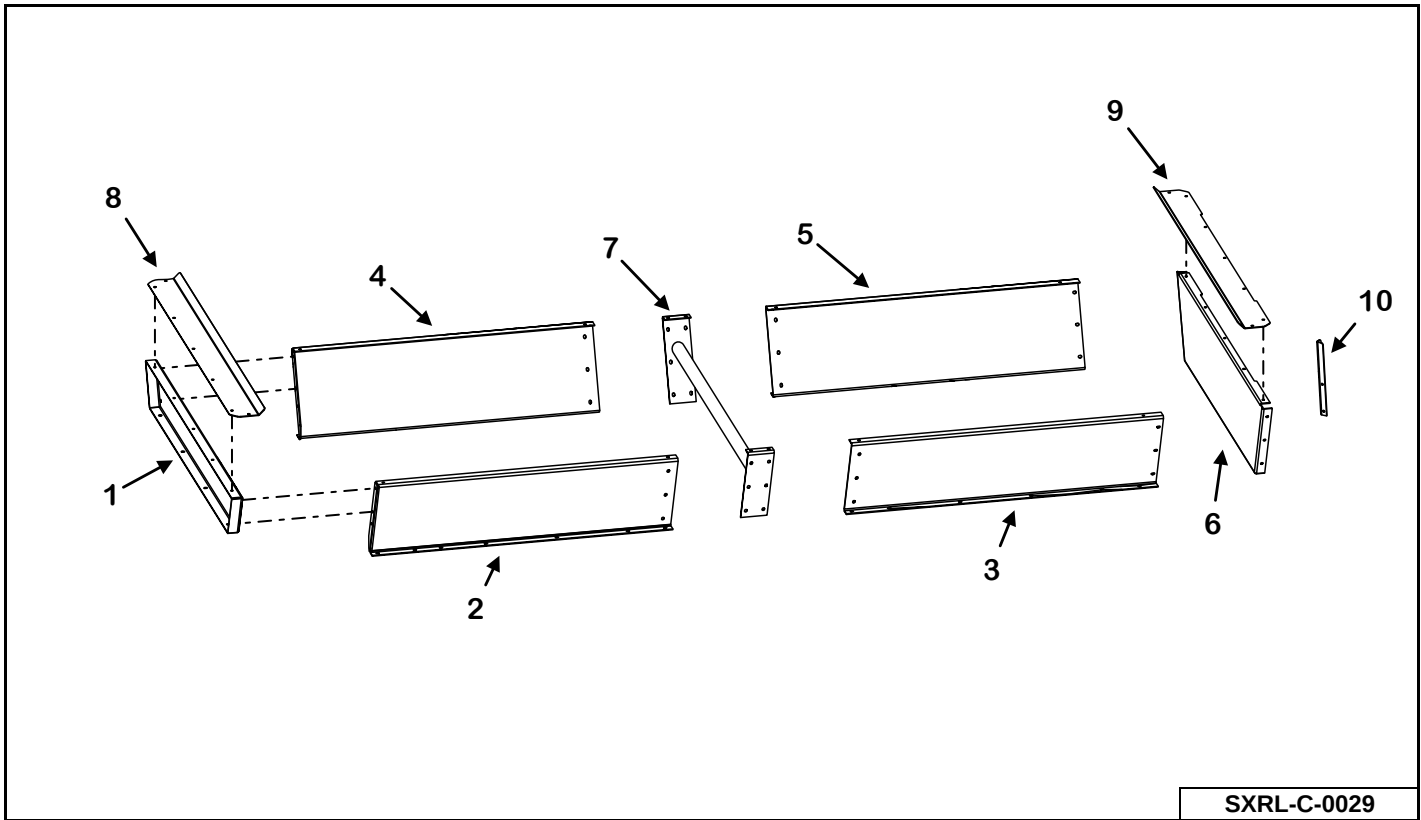
4" SIDE EXTENSIONS (SXR400)



SXRL-C-0028

KEY	PART NUMBER	QTY	DESCRIPTION
0	SXR-400-EXT-4K	1	SXR400 4" Side Extension
1	901-0671	1	Splash Guard
2	901-0672	2	Splash Guard Spacer
3	901-0669	4	Side Extension Panel
4	901-0670	1	SXL Rear Extension Panel
5	901-0584-9	1	Door Indicator Extension

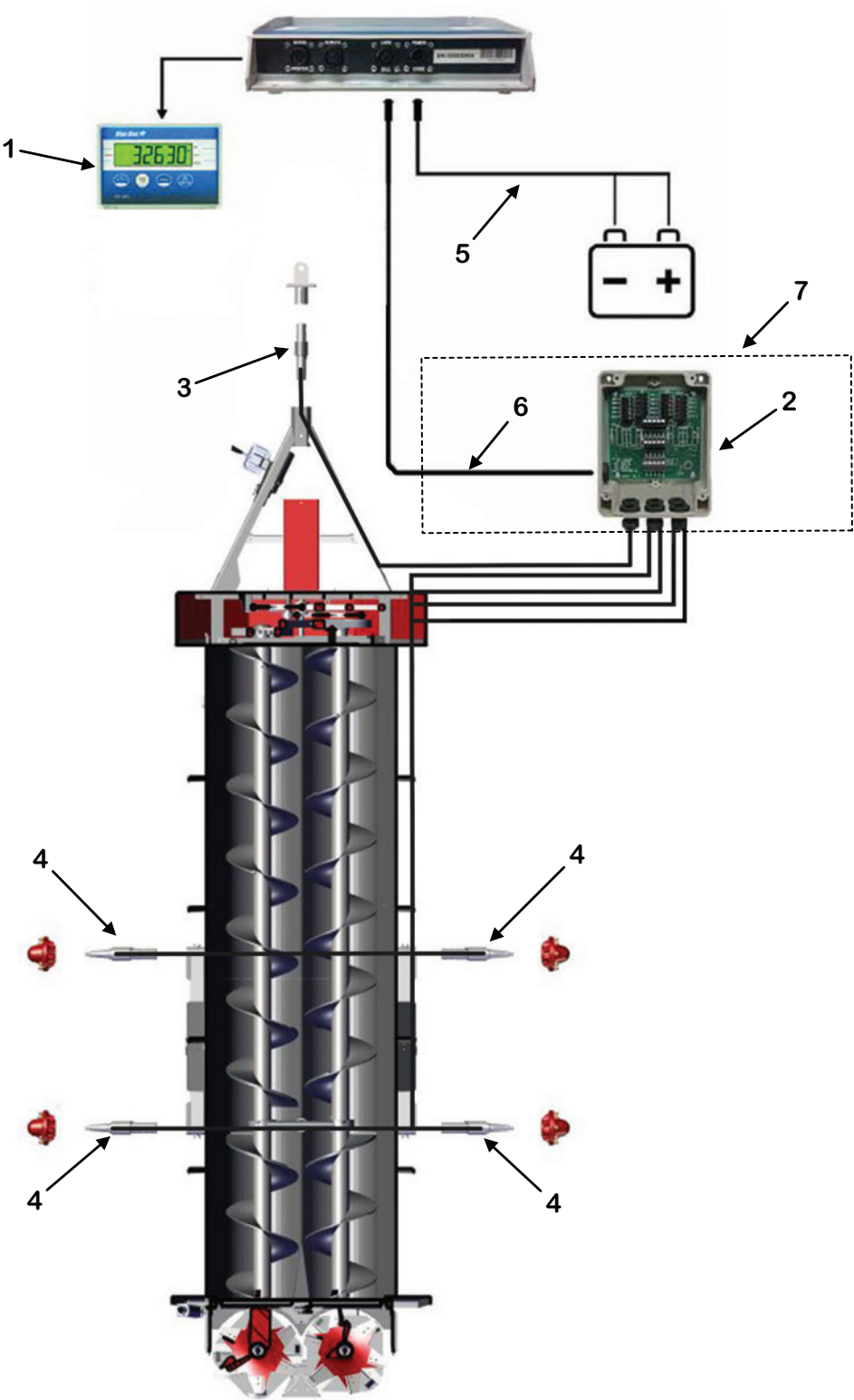
19" FLARED SIDE EXTENSIONS (SXL2636)



KEY	PART NUMBER	QTY	DESCRIPTION
0	SXL-2636-EXT-19K	1	SXL2636 19" Flared Side Extension
1	901-0905-1	1	Front Extension Panel
2	901-0905-2	1	Front LH Side Extension Panel
3	901-0905-3	1	Back LH Side Extension Panel
4	901-0905-4	1	Front RH Side Extension Panel
5	901-0905-5	1	Back RH Side Extension Panel
6	901-0905-6	1	Back Extension Panel
7	901-0905-7	1	Extension Cross Brace
8	901-0905-8	1	Front Splash Guard
9	901-0905-9	1	Rear Splash Guard
10	901-0584-9	1	Door Indicator Extension



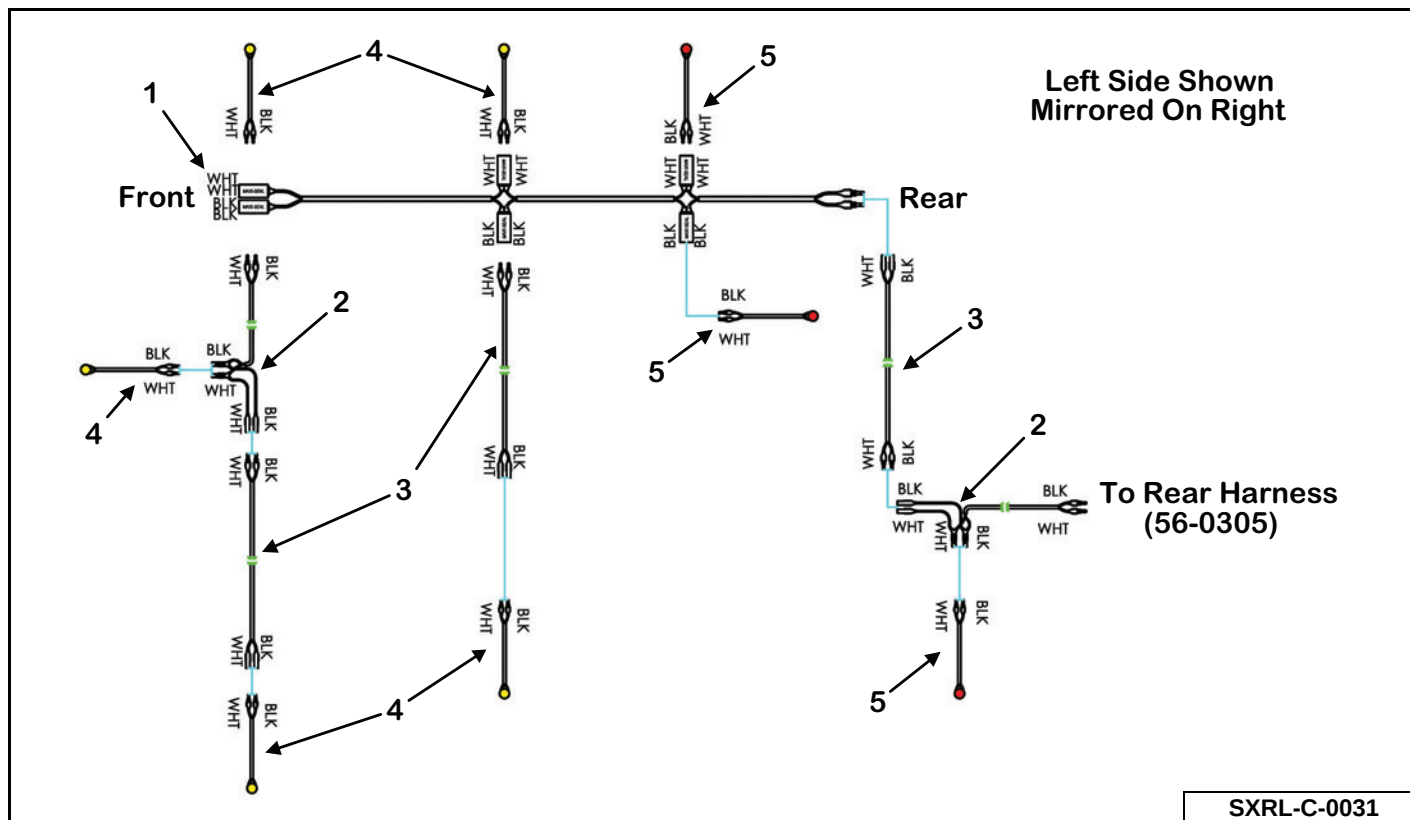
WEIGH BAR WIRING DIAGRAM (SXR500)



SXRL-C-0030

KEY	PART NUMBER	QTY	DESCRIPTION
1	58-0022	1	GT 400 Monitor
2	58-0020	1	6 Point J-Box
3	58-0023-DG	1	Front Hitch Weigh Bar, 2.500"
4	58-0025-DG	4	Spindle Load Cell 2.875"
5	56-00236	1	Monitor To Auxiliary Power Cord Assembly
	56-0204	1	12V Male Plug Auxiliary Power Cord Assembly
	56-0136	1	3-Pin Auxiliary Power Cord Assembly
6	58-0029	1	Junction Box To Monitor Cable 30'
7	58-0008	1	6 Point J-Box with 30' Monitor Cable
NS	25-0302	1	Scale Monitor Mount Bracket Assembly
NS	25-0303	1	Scale Monitor Mount angle Welded assembly

HIGHWAY LIGHTS (SXR400/500)



KEY	PART NUMBER	QTY	DESCRIPTION
1	56-0289	2	Maxi-Seal 20' Side Marker Harness
2	56-0311	4	Maxi-Seal 48" Double Extension Harness
3	56-0325	6	Maxi-Seal 48" Extension Harness
4	56-0111-BT	10	1-Diode Amber LED Light
5	56-0112-BT	6	1-Diode Red LED Light
NS	925-0598	3	RH Light Bracket
	925-0599	3	LH Light Bracket
	32-0037	20	1-1/4" Loom Clamp
	56-0053	16	1/4" Loom Clamp
	851-2520-1.25Z	24	1/4"-20 x 1-1/4" Hex Bolt
	810-2520-Z	24	1/4"-20 Spin Nut

11.0 SPECIFICATIONS

SXL DIMENSIONS / SPECIFICATIONS		
	SXL2636	SXL3954T
CAPACITY Bushels (Heaped) - No Ext Bushels (Heaped) - With Ext Gallons/Cu.ft. (struck) - No Ext Gallons/Cu.ft. (struck) - With Ext	260 360 (9" ext.) 1355/181 1745/233 (9" ext.)	390 540 (9" ext.) 2033/272 2617/350 (9" ext.)
DIMENSIONS		
Overall Length	20'	26'
Inside Tank Length	12'	18'
Loading Height Loading Height With Ext.	58-3/4" w/14L x 16.1 67-3/4" w/14L x 16.1	61-3/4" w/16.5L x 16.1 70-3/4" w/16.5L x 16.1
Overall Height - Top of splash shield / guard	69-1/4" w/14L x 16.1	72-1/4" 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
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
Width - Top of Tank	74"	74"
SPECIFICATIONS		
Total Weight (Lbs.)	Single Axle - 6,900 Tandem Axle - 7,840	9,720
Maximum Load Net (Lbs.)	Single Axle - 10,000 Tandem Axle - 18,000	24,000
Lower Auger Diameter	20"	20"
Lower Auger Flighting Thickness	3/8" sectional	3/8" sectional
Independent Lower Auger Shear Hub Sprockets	Standard	Standard
3rd Auger (solid material)	Standard	Standard
Drive - PTO-RPM	540 RPM - 1-3/8" Constant Velocity	540 RPM - 1-3/8" Constant Velocity
Drive Line 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
Belt Drive - Expeller	4 Band Belt	4 Band Belt
Roller Chain Auto Oiler	Standard	Standard
Expeller Speed (RPM)	660	660
Expeller Diameter	23"	23"

SXL DIMENSIONS / SPECIFICATIONS		
	SXL2636	SXL3954T
TANK CONSTRUCTION		
Thickness - Auger Troughs	3/16"	3/16"
Thickness - Tank Sides	3/16"	3/16"
Frame Construction	HD Formed Channel	HD Formed Channel
Door Opening	30" x 46"	30" x 46"
Spindle Size	2-3/4" Sleeved	3" Sleeved
Hub	8 Bolt - 6,000#	8 Bolt - 8,000#
Splash Shields-Standard	Flat (Low Clearance)	Flat (Low Clearance)
Transport Lights w/AG Plug	Standard LED	Standard LED
Tractor Requirement PTO HP (Min.)	75	110
OPTIONS		
1000 RPM 1 3/8"-21 spline	Optional	Optional
Tandem Axle	Optional	Standard
HD Axle Package	N/A	Optional
Hydraulic Lid	N/A	Optional
Poultry Litter Package	Optional	Optional
Scale Package	N/A	Optional
Safety Chain / SMV Sign	Optional	Optional
Truck Mount Version	N/A	Optional

SXR DIMENSIONS / SPECIFICATIONS			
	SXR400T	SXR500T	SXR600T
CAPACITY Bushels (Heaped) - No Ext Bushels (Heaped) - With Ext Gallons/Cu.ft. (struck) - No Ext Gallons/Cu.ft. (struck) - With Ext	400 465 (4" ext.) 1870/250 2150/280 (4" ext.)	500 N/A 2433/324 N/A	N/A 600 (5" ext.) N/A 2724/364 (5" ext.)
DIMENSIONS			
Overall Length	23' 7-1/2"	23' 7-1/2"	23' 7-1/2"
Inside Tank Length	15'	15'	15'
Loading Height Loading Height With Ext.	66-3/4" w/14L x 16.1 70-3/4" w/14L x 16.1	77" w/16.5L x 16.1	N/A 81" w/560/45 x 22.5
Overall Height - Top of splash shield / guard	74-1/4" w/14L x 16.1	85-3/4" w/16.5L x 16.1	90" w/560/45 x 22.5
*Height W/Optional Tire	+1-1/2" W/16.5L x 16.1	+1" W/19L x 16.1	92" w/600/50 x 22.5 90" w/425/65 x 22.5
Overall Width - Outside Tires	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	106" w/560/45 x 22.5 110" w/600/50 x 22.5 106" w/425/65 x 22.5
Width - Top of Tank	77"	84.5"	84.5"
SPECIFICATIONS			
Total Weight (Lbs.)	8,210	9,280	11,060
Maximum Load Net (Lbs.)	18,000	24,000	28,000
Lower Auger Diameter	20"	20"	20"
Lower Auger Flighting Thickness	3/8" sectional	3/8" sectional	3/8" sectional
Independent Lower Auger Shear Hub Sprockets	Standard	Standard	Standard
3rd Auger (solid material)	Standard	Standard	Standard
Drive - PTO-RPM	540 RPM - 1-3/8" Constant Velocity	540 RPM - 1-3/8" Constant Velocity	1000 RPM - 1-3/8" Constant Velocity
Drive Line 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
Belt Drive - Expeller	4 Band Belt	4 Band Belt	4 Band Belt
Roller Chain Auto Oiler	Standard	Standard	Standard
Expeller Speed (RPM)	660	660	660
Expeller Diameter	23"	23"	23"

SXR DIMENSIONS / SPECIFICATIONS			
	SXR400T	SXR500T	SXR600T
TANK CONSTRUCTION			
Thickness - Auger Troughs	3/16"	3/16"	3/16"
Thickness - Tank Sides	3/16"	3/16"	3/16"
Frame Construction	HD Formed Channel	HD Formed Channel	HD Formed Channel
Door Opening	30" x 46"	30" x 46"	30" x 46"
Spindle Size	2-3/4" Sleeved	3" Sleeved	3-1/2" Sleeved
Hub	8 Bolt - 6,000#	8 Bolt - 8,000#	10 Bolt - 15,700#
Splash Shields-Standard	Flat (Low Clearance)	Angled	Angled
Transport Lights w/AG Plug	Standard LED	Standard LED	Standard LED
Tractor Requirement PTO HP (Min.)	95	110	125
OPTIONS			
1000 RPM 1 3/8"-21 spline	Optional	Optional	Standard
Tandem Axle	Standard	Standard	Standard
HD Axle Package	Optional	N/A	Standard
Hydraulic Lid	N/A	Optional	Optional
Poultry Litter Package	Optional	Optional	Optional
Scale Package	N/A	Optional	N/A
Safety Chain / SMV Sign	Optional	Optional	Optional
Truck Mount Version	N/A	Optional	Optional

[illegible]

NOTES

[illegible]

12.0 MAINTENANCE RECORDS

MODEL NO. _____

SERIAL NO. _____

[illegible][illegible]

Manufactured by:
Meyer Manufacturing Corporation

674 W. Business Cty Rd A

Dorchester, WI 54425

Phone. 1-800-325-9103

Fax: 715-654-5513

Email: parts@meyermfg.com

Website: www.meyermfg.com





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