

LVI DELUXE LITTER PROCESSOR

#LTMAN003

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User/Parts Manual Index

Introduction -----page 2

Safety Decals -----page 3

Safety Message-----page 4

Operating Safety-----page 4, 5

Storage Safety-----page 5

Maintenance Safety-----page 5

Hydraulic Safety-----page 6

Pre-Operation Checklist-----page 6

Equipment Matching-----page 7

PTO Shaft Information-----page 7

Operation-----page 7, 8

Lubrication-----page 9-12

Maintenance Schedule-----page 14

Parts Manual Index-----page 1

Warranty forms-----page 58-60

Thank you for the Purchase & Support of your LVI Litter Processor.



INTRODUCTION

Congratulations on your choice of a LVI LITTER PROCESSOR to complement your operation. This equipment has been designed and manufactured to meet the needs of the discriminating buyer for efficient processing of poultry litter. Safe, efficient and trouble free operation of your processor requires that you and anyone else who will be operating or maintaining the machine, read and understand the safety, operation, maintenance, and trouble-shooting information contained within the Operator's Manual.

This manual covers the Deluxe model manufactured by Binkley & Hurst, LP.

Keep this manual readily available for reference and be sure to pass it on to new operators or owners. Contact Binkley & Hurst, LP if you need assistance or information for a complete listing of parts and accessories.

OPERATOR ORIENTATION - The directions left, right, front and rear as mentioned throughout the manual are as seen from the tractor driver's seat, facing forward.

CUSTOMER REFERENCE INFORMATION

LVI Model: Deluxe

LVI Serial Number: _____

Date Purchased: _____

Dealer Name: _____

Dealer Tel #: _____

Binkley & Hurst, LP

Toll-free: 888-414-7518

Fax: 717-866-2005

Website Information

Binkley & Hurst Home Page: <http://www.binkleyhurst.com/>

LVI Litter Processor Website: <http://www.lvimfg.com>

LVI Dealer List: <http://www.lvimfg.com/dealerlist>

SAFETY DECALS

The safety decals are placed on the litter processor at the time of manufacture. It is important that all the decals are kept clean and legible at all times. If any decals have become illegible or have been removed, replacements are available from Binkley & Hurst, LP.

TEL: 888-414-7518 FAX: 717-866-2005



THESE SAFETY DECALS ARE ON YOUR LITTER PROCESSOR



DANGER

You are responsible for the SAFE operation and maintenance of your LVI LITTER PROCESSOR. You must ensure that you, and anyone else who will be operating, maintaining, servicing or working around the processor be familiar with the operating and maintenance procedures and related safety information contained in this manual. This manual will take you step-by-step through the operation procedures and alerts you to all good safety practices that should be adhered to while operating the litter processor.

Remember, YOU are the key to safety. Good safety practices not only protect you, but also the people around you. Make these practices a working part of your safety program. Be certain that EVERYONE operating this equipment is familiar with the recommended operating and maintenance procedures and follows all the safety precautions. Most accidents can be prevented. Do not risk injury or death by ignoring good safety practices.

- Litter Processor owners must give operating instructions to their employees before allowing them to operate the machine and ensure that all operators have read and understood the safety and operating procedures.
- The most important safety device on the equipment is a SAFE operator. It is the operator's responsibility to read and understand ALL safety and operating instructions in the manual and follow them.
- A person who has not read and understood all operating and safety instructions is not qualified to operate this machine. An untrained operator exposes himself and bystanders to possible or serious injury or death.
- Do not modify the equipment in any way. Unauthorized modifications may impair the function and/or safety and could affect the life and warranty of the equipment.
- Think SAFETY! Work SAFELY!

Do not allow riders on machinery. Place all controls in neutral, stop the engine, set park brake, remove ignition key and wait for all moving parts to come to a complete stop before servicing, repairing or unplugging machinery.

OPERATING SAFETY

1. Read and understand the Operator's Manual and all safety decals before using the equipment.
2. Clean reflectors, slow moving vehicle signs and lights before transporting.
3. Before applying pressure to the hydraulic system, make sure all components are tight and that all lines, hoses and couplings are in good condition.
4. Place all controls in neutral, stop the engine, set park brake, remove ignition



key and wait for all moving parts to come to a complete stop before servicing or repairing.

5. Install and secure guards before starting.
6. Keep hands, feet, hair and clothing away from all moving and/or rotating parts.
7. Do not operate when guards are missing or broken.
8. Clear the area of all bystanders, especially children, before starting.
9. Do not allow children to play on or around the machine.
10. Do not allow riders on the LITTER PROCESSOR or tractor. Be sure the PTO driveline guard telescopes and rotates freely on the shaft before installation.
11. Use hazard flashers on tractor when transporting on roads, and follow all local laws.
12. Do not operate with leaks in the hydraulic system or lubrication system.
13. Review safety instructions annually.

STORAGE SAFETY

1. Store the unit in an area away from human activity.
2. Do not permit children to play on or around the stored machine.
3. Store the unit in a dry, level area.
4. Do not lay hydraulic hoses on the ground and keep the fittings free of dirt.
5. Make sure the implement jack is properly fastened to the unit.

MAINTENANCE SAFETY

1. Follow ALL the operating, maintenance, and safety information in this manual.
2. Place all controls in neutral, stop the engine, set park brake, remove ignition key and wait for all moving parts to come to a complete stop before servicing, adjusting, repairing or unplugging.
3. Relieve pressure from hydraulic circuit before servicing or disconnecting from tractor.
4. Support the machine with blocks or safety stands when working under it.
5. Follow good shop practices:
 - Keep service area clean and dry.
 - Be sure electrical outlets and tools are properly grounded.
 - Use adequate lighting for the job at hand
6. Use only tools, jacks and hoists of sufficient capacity for the job.
7. Make sure all guards and shields are in place and properly secured when maintenance work is completed.
8. Before applying pressure to the hydraulic system, make sure all lines, fittings and couplers are tight and in good condition.
9. Keep hands, feet, hair and clothing away from all moving and/or rotating parts.
10. Clear the area of all bystanders, especially children, when operating, repairing, or making adjustments to the machine

HYDRAULIC SAFETY

1. Make sure that all components in the hydraulic system are kept in good condition and are clean.
2. Relieve pressure before working on the hydraulic system.
3. Replace any rusted, worn, cut, abraded, flattened or kinked hoses and metal lines immediately.
4. Do not attempt makeshift repairs to hydraulic lines, fittings or hoses by using tape, clamps or cements. The hydraulic system operates under extremely high pressure. Such repairs will fail suddenly and create a hazardous and unsafe condition.
5. Wear proper hand and eye protection when searching for a high-pressure hydraulic leak. Use a piece of wood or metal as a backstop instead of hands to isolate and identify leak. Do not attempt to repair a leak, but replace the hose instead.
6. If injured by a concentrated high-pressure stream of hydraulic fluid, seek medical attention immediately. Serious infection or toxic reaction can develop from hydraulic fluid piercing the skin.
7. Before applying pressure to the system, make sure all components are tight and that lines, hoses, and couplings are not damaged.
Think SAFETY! Work SAFELY!

PRE-OPERATION CHECKLIST

Efficient and safe operation of the LVI LITTER PROCESSOR requires that each operator reads and understands all the operating procedures and all the related safety precautions outlined in this section.

1. Lubricate the machine as per the schedule in the Service and Maintenance section of the manual.
2. Use only tractor with adequate power to operate your LVI LITTER PROCESSOR.
3. Make sure the gearbox oil reservoir is filled to the proper level. (See Figure 2).
4. Check the gearbox. Make sure the drain plugs are properly installed and tightened and not leaking.
5. Make sure the chain case reservoir is filled to the proper level. (See Figure 4)
6. Make sure pivot points and bearing are greased. (See Figure 5 & 6)
7. Ensure that the machine is properly attached to your tractor.
8. Check the hydraulic system.
9. Inspect all hydraulic and oil lines, hoses, fittings and coupler for tightness.
10. Check for and remove entangled material from the PTO, driveshaft and augers.
11. Check that PTO driveline is pinned to the tractor.
12. Check that shear bolt is installed and tight. (See figure 3)
13. Close and secure all guards.



EQUIPMENT MATCHING

The LVI LITTER PROCESSOR Deluxe model is designed to be used with Agricultural tractors. To ensure a good performance, the following recommendations regarding minimum equipment size and horsepower should be met.

Model Deluxe

PTO Horsepower

45-MINIMUM PTO Horsepower

An operator must use his own discretion when determining whether the tractor attached is suitable. Using a small tractor on a heavy piece of machinery can cause severe injury or death if the operator loses control of the machinery.

PTO SHAFT INFORMATION

When the turner is attached to the tractor, the length of the PTO shaft should be such that proper overlap of the inner and outer tubes is maintained in all cases. See the attached section, located at the back of this manual, for PTO Shaft maintenance, trouble-shooting, and repair information. Note: Raising & lowering the 3pt arms & side shifting the turner will change the PTO shaft length.

The PTO shaft used for power transmissions between the power supply and the machine driven must not be used:

- without the guards
- with only partial protection
- with damaged guard

OPERATION

The LVI LITTER PROCESSOR is specifically designed to windrow poultry litter for in-house composting. Many of the features incorporated into this machine are the result of suggestions made by customers like you. Read this manual carefully to learn how to operate the machine safely and how to adjust it to provide maximum efficiency. Following the operating instructions with a proper maintenance program will extend the life of your machinery.

It is recommended to operate the processor at a slow steady speed. Creeper trans or hydro trans is recommended. The LVI LITTER PROCESSOR is designed to side shift left or right. This is primarily used when operating along the walls. It can be shifted while in operation. It is recommended to adjust the tilt when the tractor is not level.



After attaching the machine to the tractor, adjust top link length until the front of the processing machine is slightly higher than the rear of the machine. This is done to prevent rotor paddles from striking the floor. Also avoid allowing the front of the wing to gouge into the floor while driving forward.

General operating method is as follows: Run machine at 540 PTO RPM. Begin driving along outer wall of poultry house using the hydraulic side shift to have the wing tip closely follow the wall. It is recommended that the corner areas of poultry houses have the litter removed and spread down the center area before beginning the process. Proceed driving around the entire perimeter of the poultry house forming the litter into a windrow. Make a second round gathering the windrow along with fresh litter to form a double windrow. The hydraulic side shift can be used to move the machine sideways in order to accommodate gathering the first windrow.

After completing the second round, proceed down the center area of the poultry house to move material toward the previously formed windrows. The desired end result is to have two or three windrows down the length of the poultry house. Ideal windrows will be 22 inches to 32 inches in height. Allow windrows to set in this condition for 48 hours during which the center of the windrow should attain at least 130°F temperature. After this time period the windrows should be processed again with the litter processor. Accomplish this by driving the tractor and processor straddling the center of the windrow. If the tractor has a front end loader, raise the loader about 24" above the floor and use the loader bucket to partially flatten the top of the windrow which allow the tractor to travel over the windrow a bit easier. After the windrow has been processed a second time, allow it to set at least 48 hours to heat and compost.

When final composting is accomplished the litter processor can be used to level the litter across the floor of the poultry house. Raise the machine and set the pin adjustable rear skid shoes for the desired depth of litter. Lower the machine till the skid shoes just touch the floor. Carry most of the weight of the machine with the tractor lift arms rather than entirely on the skid shoes. Use hydraulic side shift and set the machine all the way to the right. Run the machine at 540 PTO RPM. Drive in such a way that the machine wing takes about 50% of the windrow and moves material toward the outside wall of the poultry house. Continue driving in various passes until all material has been leveled evenly across the poultry house floor.

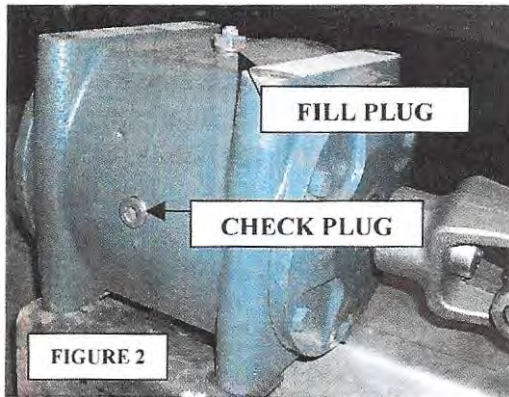
Note: Confer with your poultry management team concerning the use of "poultry litter treatment" to reduce the presence of ammonia which could be detrimental to survival of young birds.

Note: Rocks, stones and other foreign objects can severely damage the machine. Avoid running these objects into the machine.

Should excessive loads be placed on the drive train, the shear bolt will break. This is a safety feature. Do not depend on this as the maximum load indicator. If the shear bolt does break, it must be replaced with the correct bolt specified by the manufacturer.

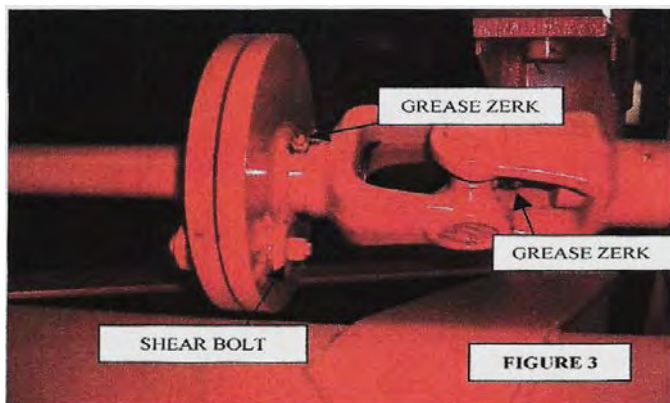
GEARBOX LUBRICATION

Oil level should be at bottom or within 1/2" of check plug. If no oil is visible, remove fill plug and fill with **80-90 EP GEAR OIL - GL-5 CLASSIFICATION**. Be sure to reinstall plugs. Check oil level every **6 MONTHS**.



SHEAR BOLT & DRIVELINE

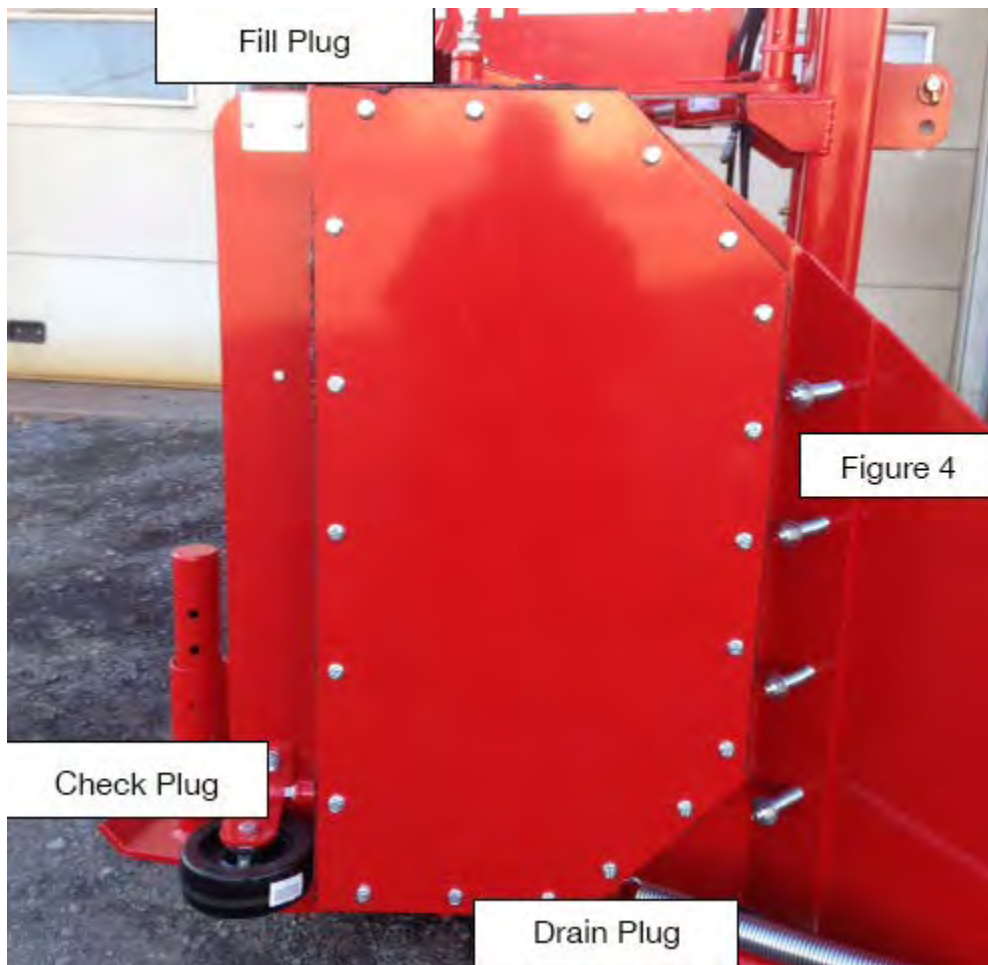
The processor gearbox, chain case, and driveline are shear bolt protected. Should you encounter an obstruction in the rotor or auger and the shear bolt shears turn the tractor off and replace the shear bolt with a **3/8" X 2-1/2" GRADE 2 BOLT WITH 3/8" LOCK NUT**. Do not tighten shear bolt excessively tight.



CHAIN CASE

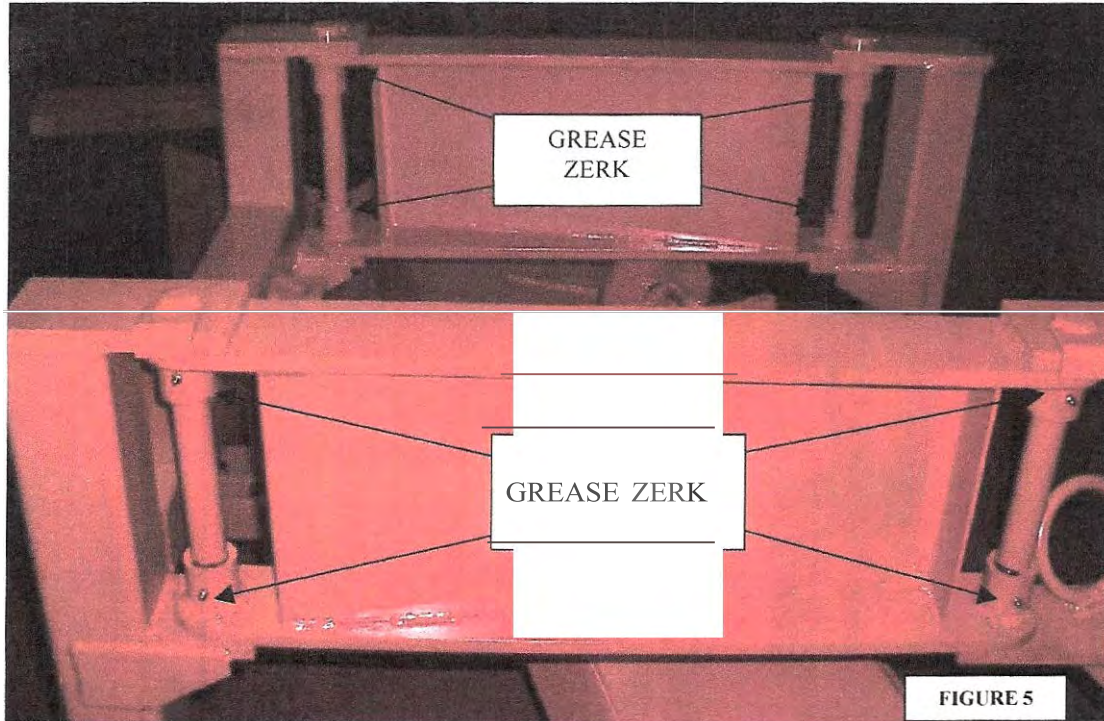
The processor is equipped with an enclosed chain case for powering the rotor and auger. The oil level should be to the bottom of check plug. **Check every 3 months.** It is common to see some oil seepage where the rotor shaft enters the chain case. If oil level is not to bottom of check plug remove fill plug and fill with **80-90 gear oil.** Be sure to reinstall plugs. The chain case has a drain plug on the bottom side if you should have to drain the oil.

To check chain tension, remove PTO Shaft from tractor and hold shear bolt assembly and turn rotor, there should be little play. Then hold rotor and turn auger, there should be little play. If there is too much play, open chain case and tighten chains. Reinstall chain case cover and fill with oil.



PIVOT POINTS

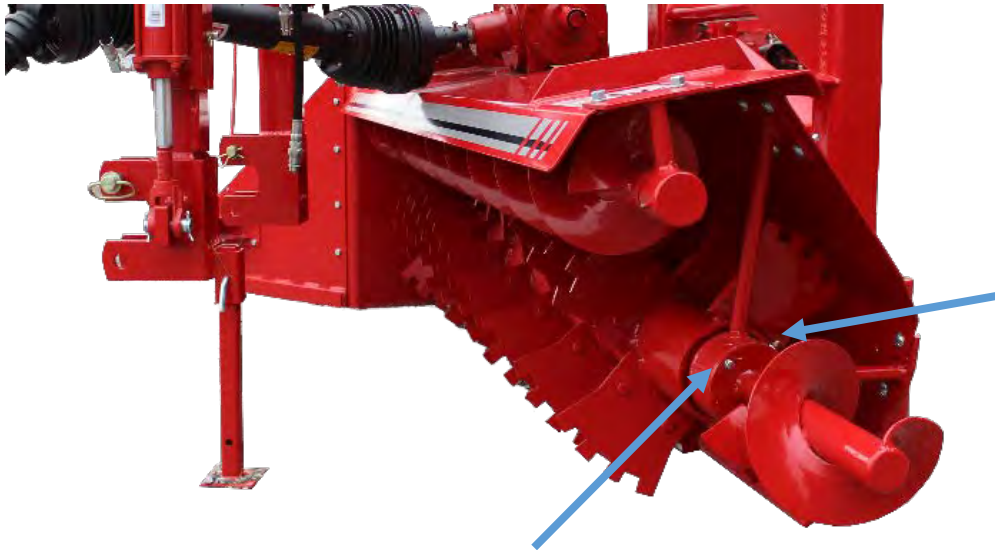
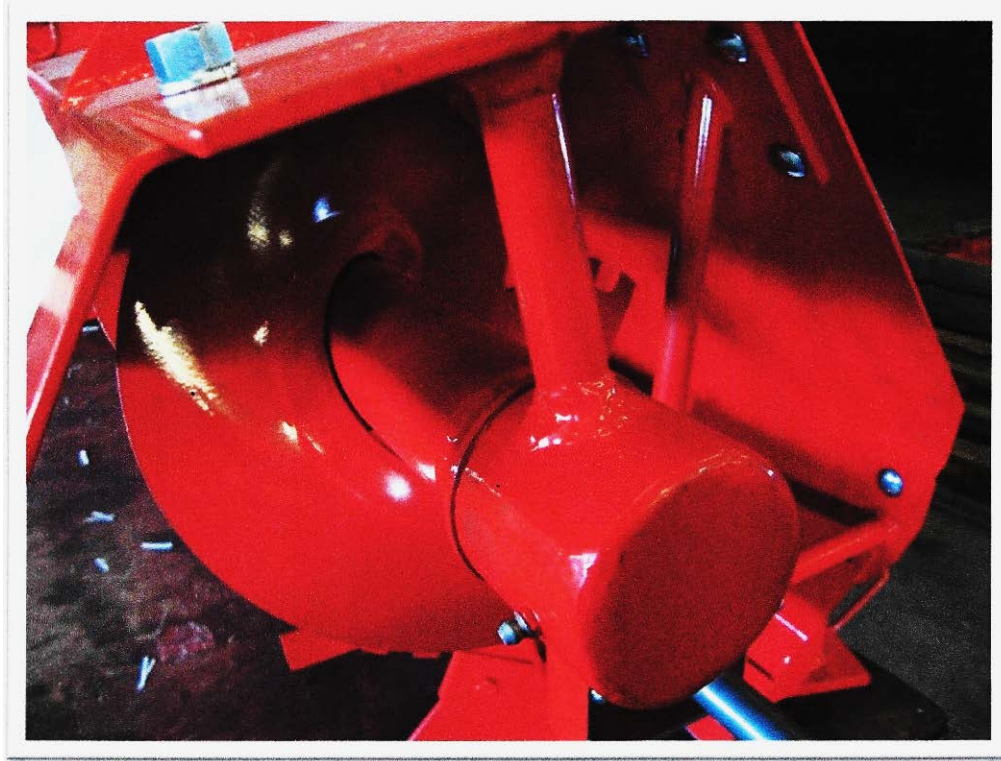
There are 8-grease points on the parallel side shift assembly. Grease every **8 hours**.



TILT EXTENSION POST - 4 grease zerks



Grease liberally every 8 hours of use.



Bearing Bottom Auger

With Grease Zerk

Grease 2 pumps with every 8 hours of operation



Maintenance Schedule

To ensure the long life for which the processor was designed, it is essential that the proper maintenance procedures are followed. The following chart indicates the manufacturer's recommended lubrication/maintenance schedule.

DESCRIPTION	HOURS OF	SPECIAL INSTRUCTIONS
GEAR BOX	CHECK EVERY 6 MONTHS	80-90EP GL-5 GEAR OIL
CHAIN CASE	CHECK EVERY 3 MONTHS	80-90EP GL-5 GEAR OIL
PTO SHAFT	Grease CV Joints Every 4 Hours of Use.	Grease Shaft Extensions Every 8 Hours of Use
BEARINGS	EVERY 8 HOURS	QUALITY LITHIUM 2 GREASE
SHEAR BOLT	WHEN BROKE	3/8" X 2 1/2" GRADE 2-W/LOCK NUT
SHEAR BOLT PLATE	EVERY 20 HOURS	2-PUMPS QUALITY LITHIUM 2 GREASE
UPPER DRIVE LINE	EVERY 20 HOURS	2-PUMPS QUALITY LITHIUM 2 GREASE
PIVOT POINTS	EVERY 8 HOURS	QUALITY LITHIUM 2 GREASE



Parts Index

Basic Views of Machine-----Pg. 2-5

Serial/Model Plate-----Pg. 9

Scraper Bar-----Pg. 10

Paddles-----Pg. 11

Bearings-----Pgs. 17 & 41

Sprockets-----Pgs. 18-21 & 28-32

Chains-----Pgs. 22-23

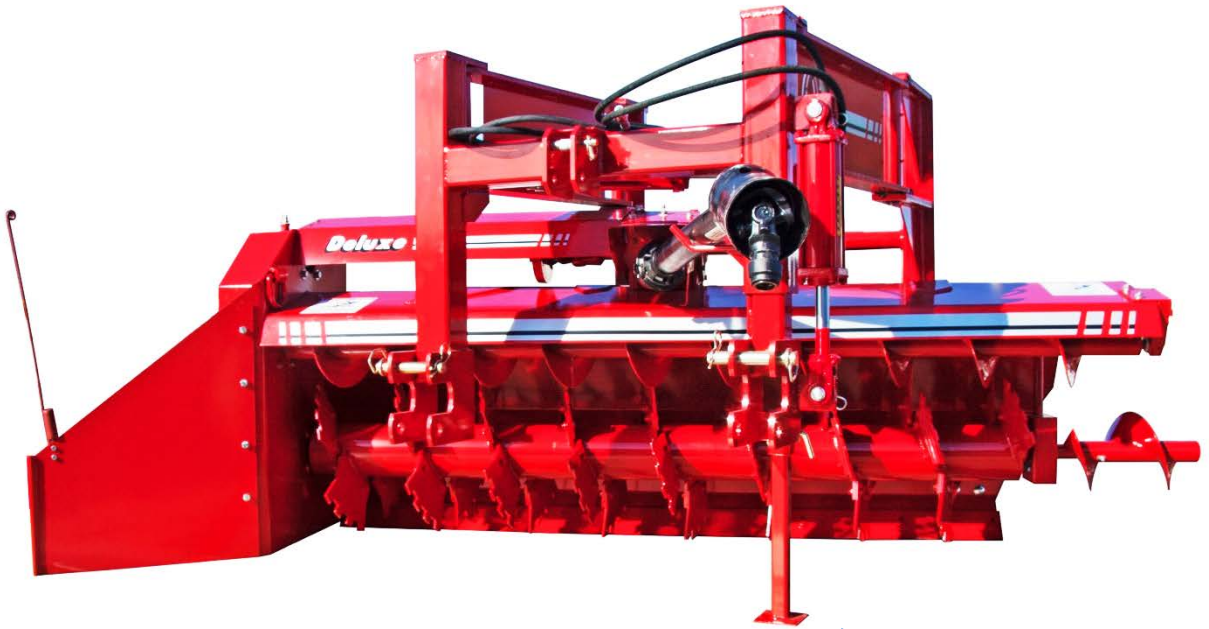
Shearbolt-----Pg. 25

Drive Keys-----Pg. 33

Skid Shoes-----Pgs. 46-47

PTO Shaft-----Pgs. 48-57

Center View



Jack Stand #LT011717

Right View



Back View



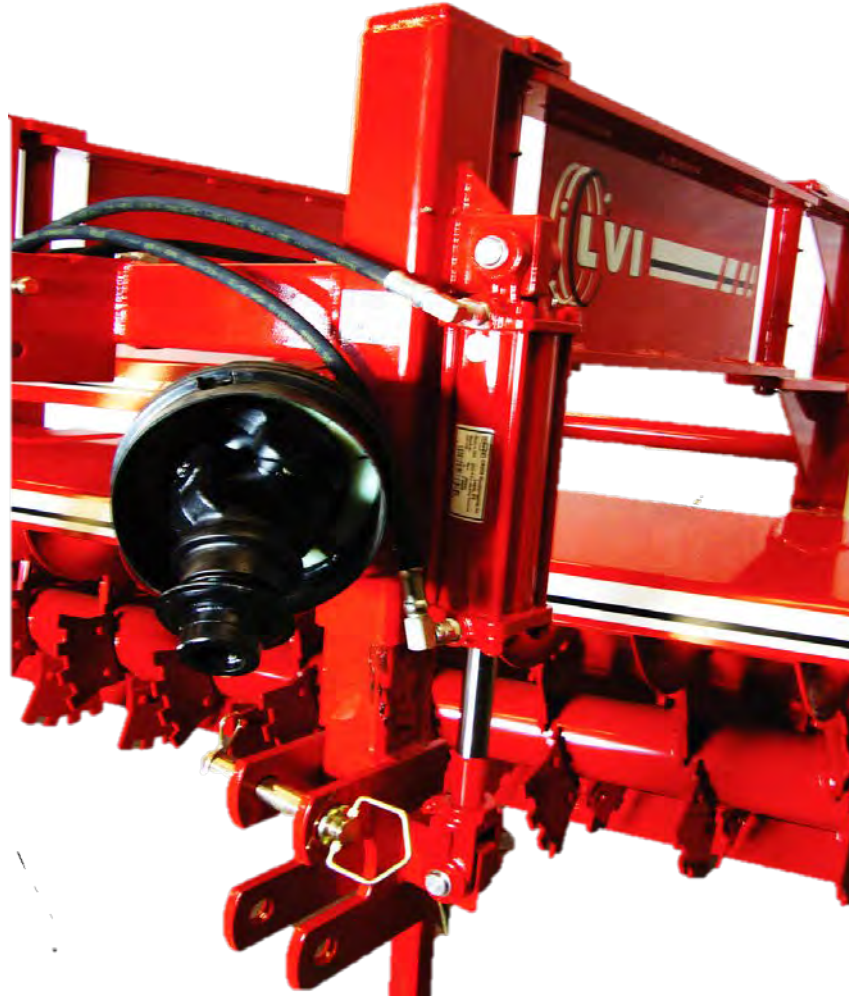
Left View



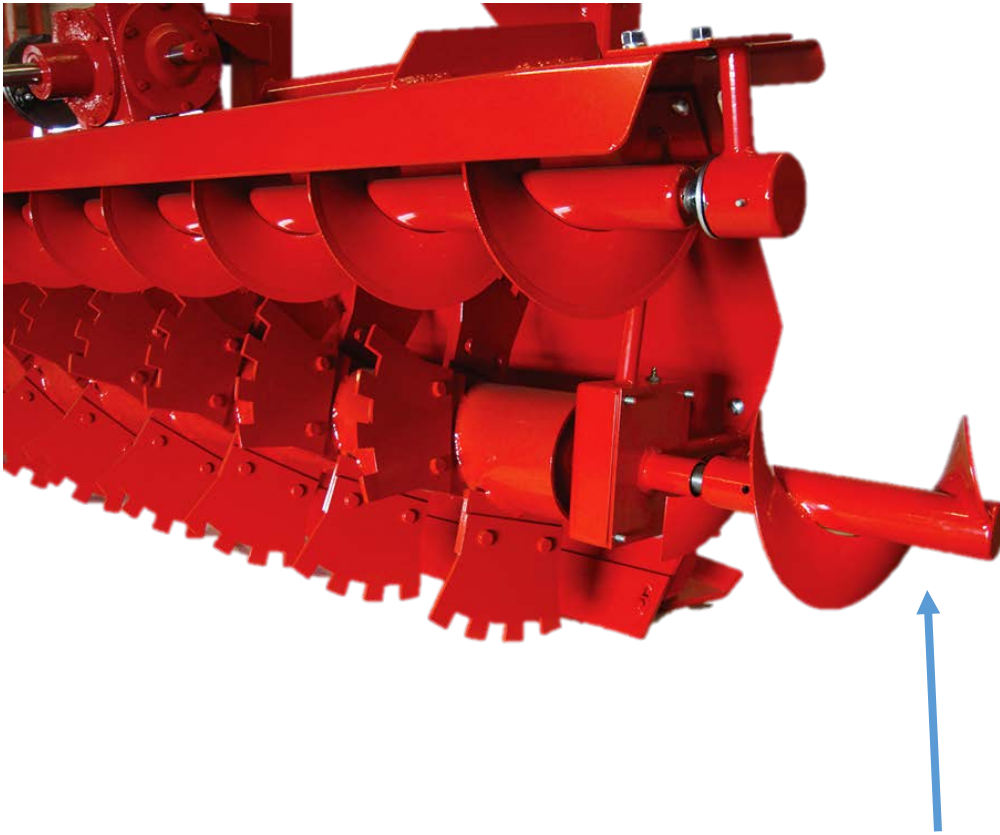
Hydraulic Side Shift Cylinder



Drive Shaft and Hydraulic Tilt Cylinder



Augers

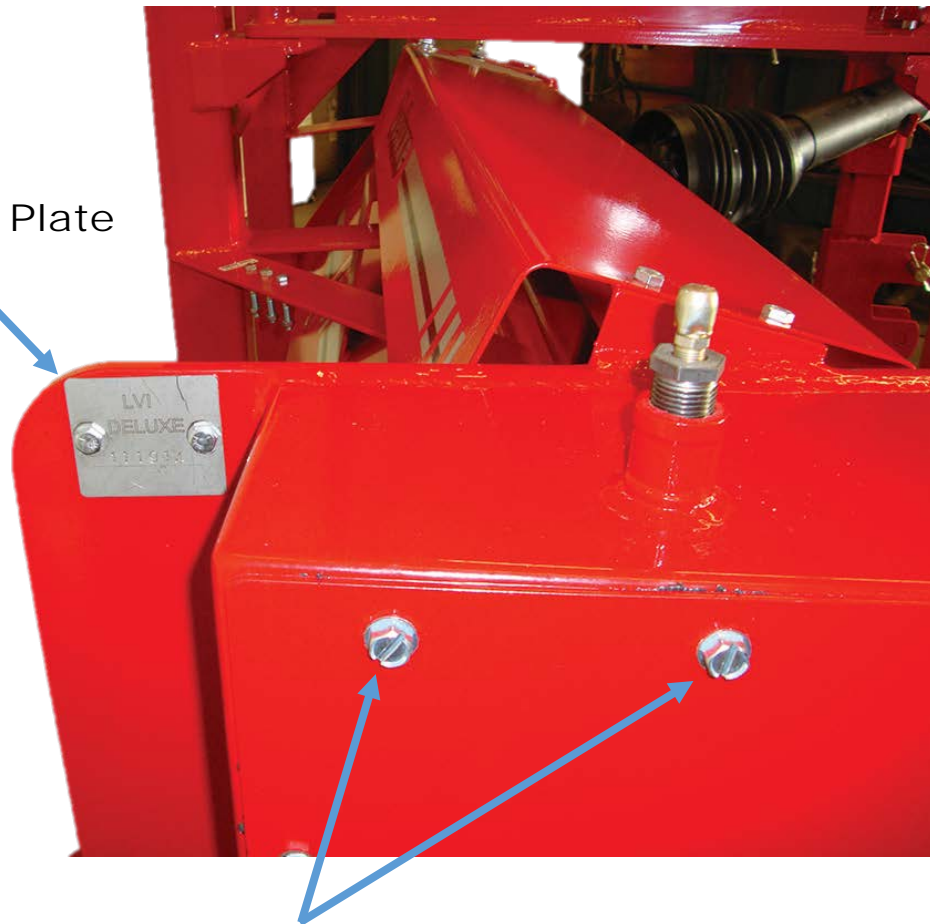


Extension Auger #LT091015

Retained by 1- 3"x3/8" gr. 8 bolt, 1- 3/8" Lock Nut

Model/Serial Plate Location and Chain Case

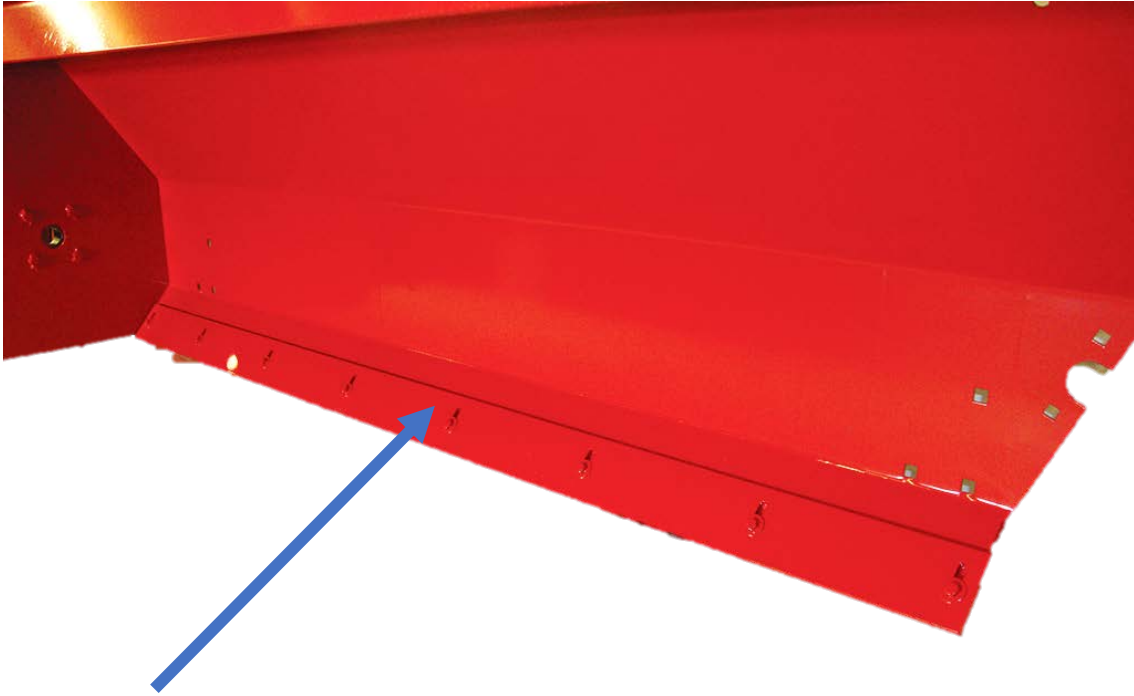
Model/Serial Plate



-Self-Threading Bolts Retain Lid to Chain Case.

#LT365053X1 (20) – 5/16 x ¾ hex flange head cap screw

Scraper Bar



#LT09250811 – Hardened and Reversible

Retained by

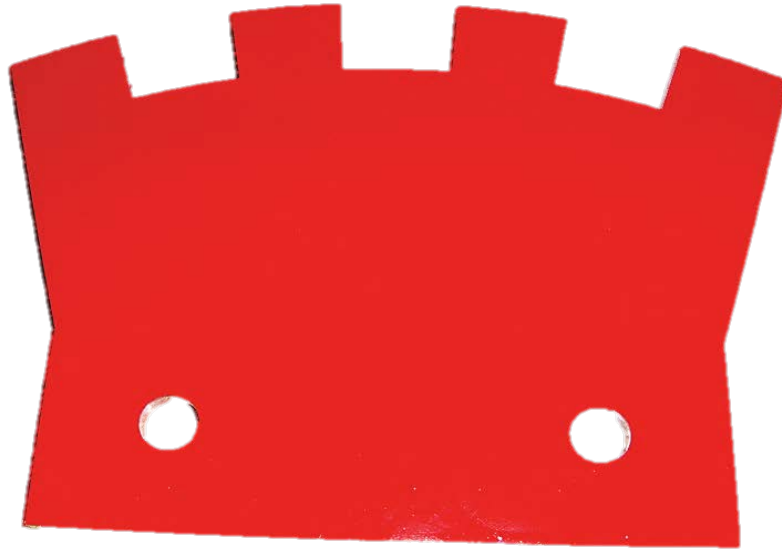
(8) 7/16 x 1¼ Bolts gr.5

(8) Lock Washer

(8) Flat Washer

(8) 7/16 Nut

34 Paddles



#LT0925081 1/4" Thick- Normal Use

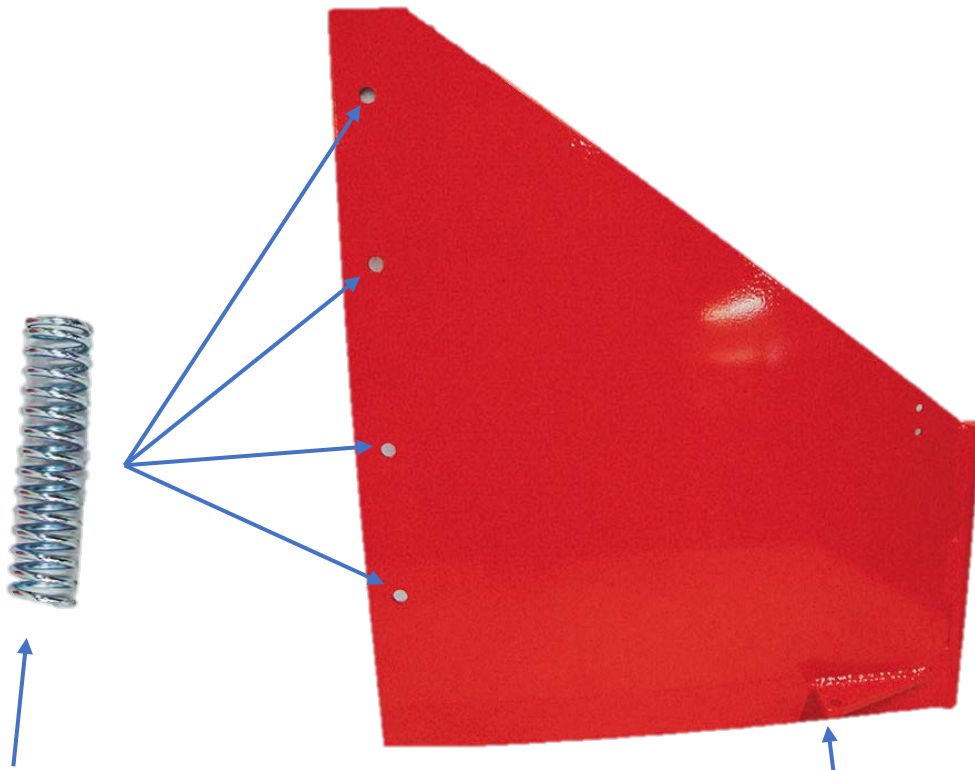
#LT0925081HD 5/16" Thick- Heavy Duty Use

Attached With:

1/2" x 1 1/4" Hex Bolt

1/2" Lock Nut

Wing - Right End of Machine



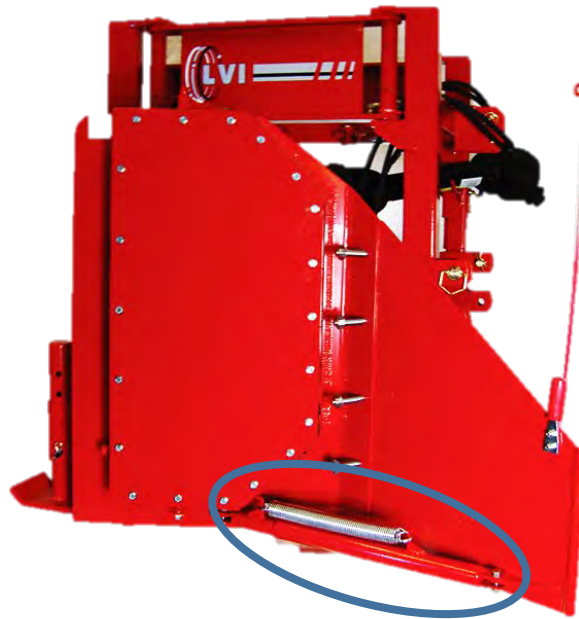
#LTC790 - Coil Springs

#LT050114 - Wing

(4) Coil Springs Used on Wing Mounting Bolts

(4) 1/2 x 4" Bolts, (4) 1/2" flat washer, (4) 1/2" lock nuts, (4) #LTC790

Coil Spring on Wing Sliding Arm Unit



#LTC301

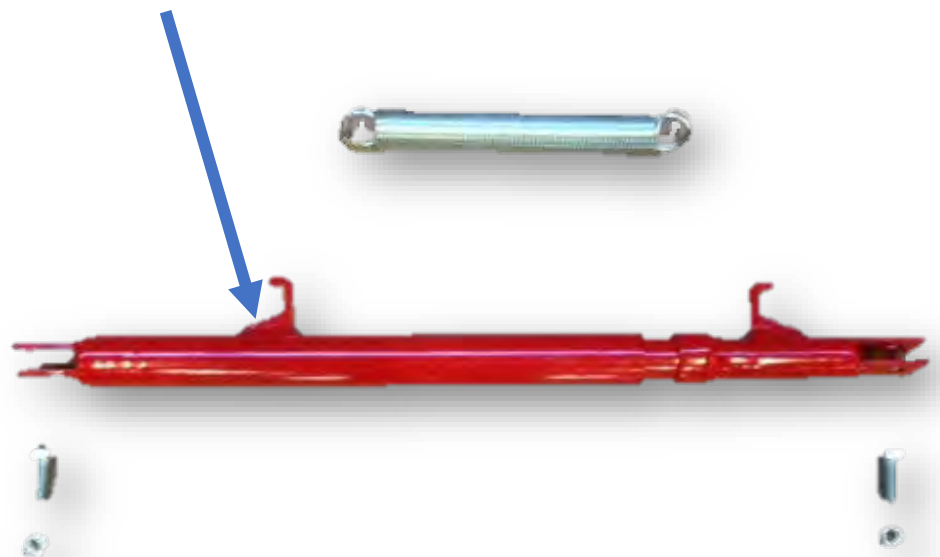


Spring #LTC301

Extension Arm Assembly # LT102815 without spring

2- ½" x 1 ½" bolts

2- ½" lock nuts





Lid/Cover (Powder Coated) #LT081617

Bolts (From pg. 9) LT365053X1 (20)

Sealant #LT29208 Per Half Tube

Marker Whip on Wing



Marker Whip #LT62265

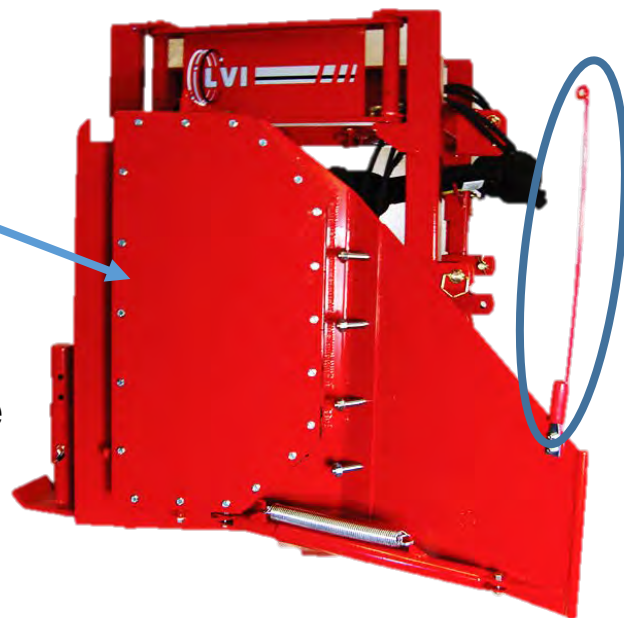
2- 5/16 x 1 Bolt

2- 5/16 Lock Nuts

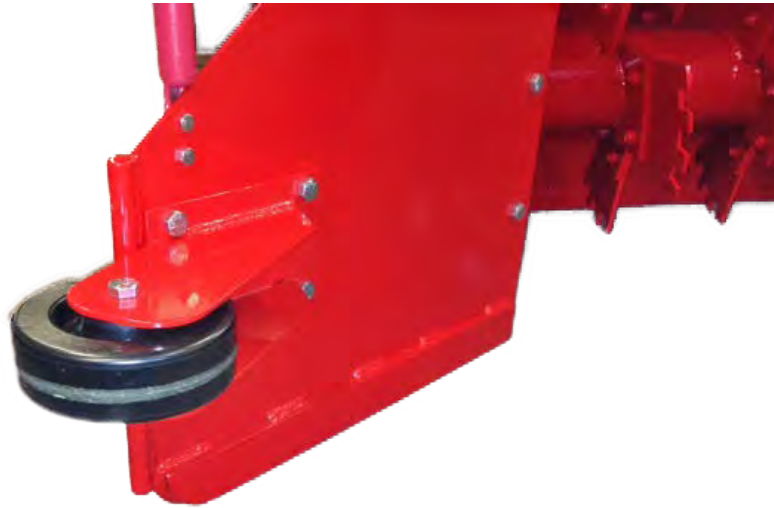
Sealant for Lid



#LT29208 half tube



Wing Wheel



(1) - LT16v369 Wheel

(1) - $\frac{1}{2}$ X $3 \frac{1}{2}$ Bolt and Lock Nut

(1) - LT120716 Bracket

(4) - $\frac{1}{2}$ X $1 \frac{1}{4}$ Bolts

(4) - $\frac{1}{2}$ " Nuts

(4) - $\frac{1}{2}$ " Lock Washers

Complete Kit #LT120416

Side Wheel



1 - LT16v369 Wheel

1 - ½ X 3 ½ Bolt and Lock Nut

1 - LT120816 Bracket

2 - ½ X 1 ¼ Bolts

2 - 1/2 " Nuts

2 - 1/2 " Lock Washers

Complete Kit #LT120216

Bearings



#LTB1124

1½" Diameter. 4 Bolt Lock
Collar Retained by: 4-
9/16" Bolt Holes. 4- 9/16 x 2 Bolts, - 9/16"
Nuts, 4- 9/16" Lock Washer

#LTB1144

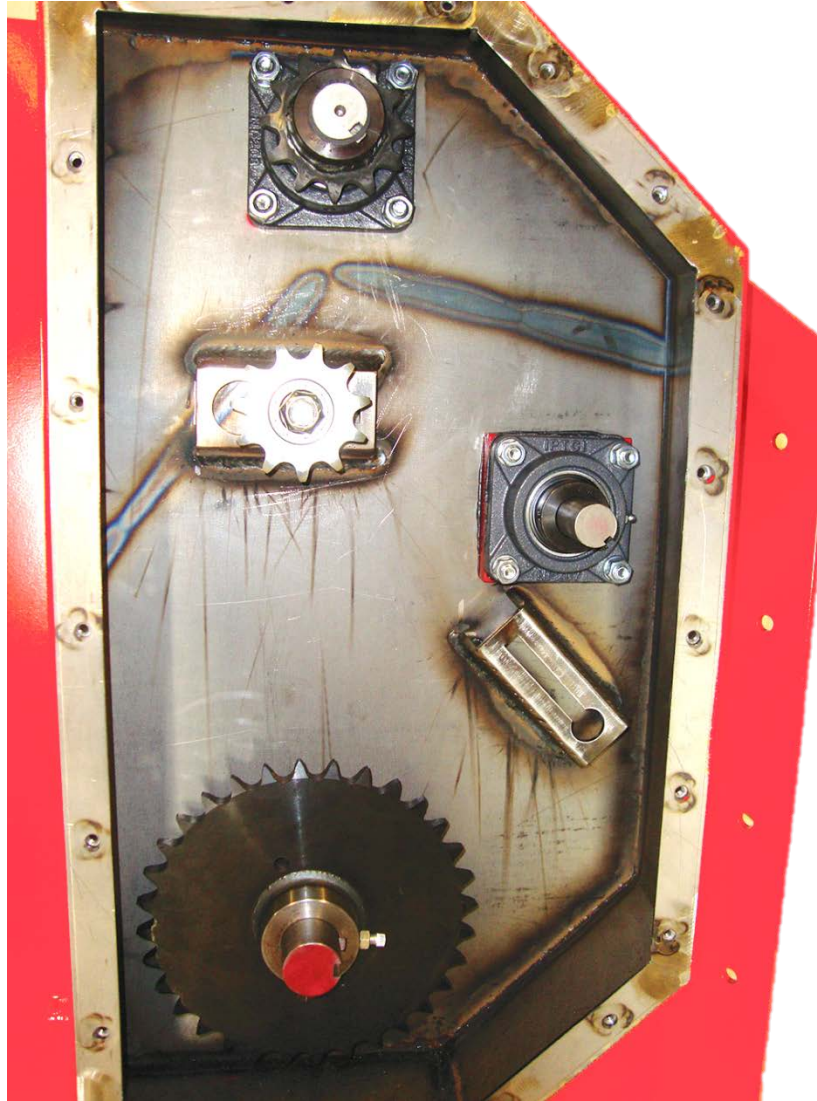
1¼" Diameter. 4 Bolt lock
Collar Retained by: 4- ½"
Bolts, 4- ½ x 2 1/2 " Bolts, 4- ½" Nuts, 4-
½" Lock Washers

#LTB1344

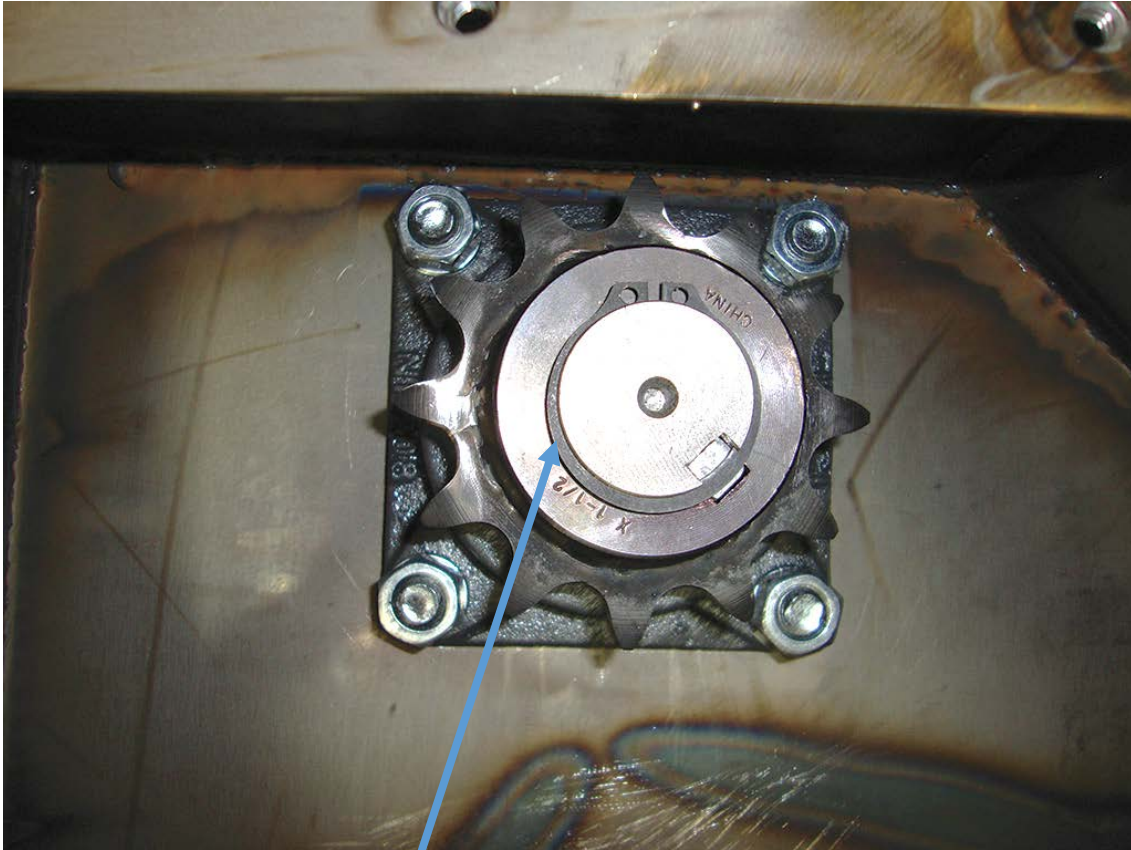
1¾" Diameter. 4 Bolt Lock
Collar Retained by: (Bolts
are welded to frame) 4- 5/8" x 2 1/2"

Bolts, 4- 5/8" Nuts, 4- 5/8" Lock Washers

Drive Sprockets for Main Rotor-See Next Page



Top Drive Sprocket



#LTSRE112 - Snap Ring

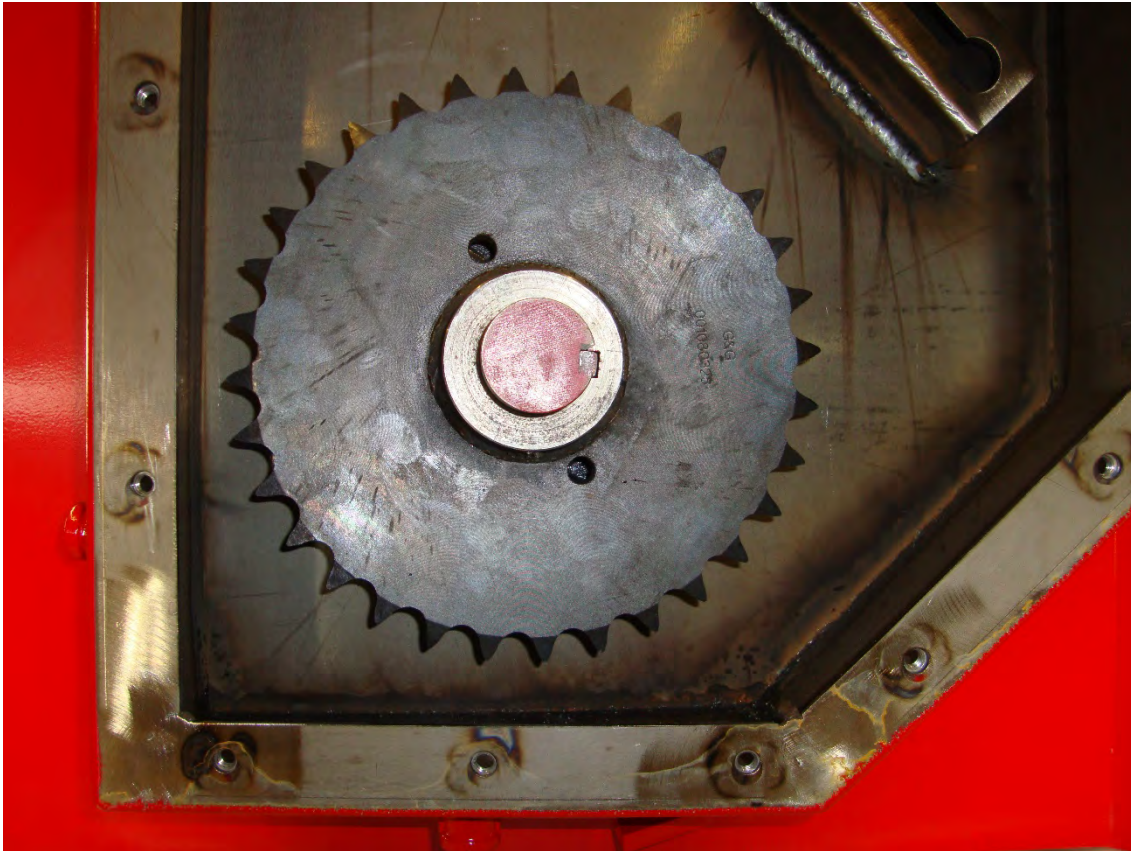
#LTS8012112 - Top Drive Sprocket:

#80 12 Tooth 1½ I.D.

3/8 Key Way

Drive Key #LT3838158

Bottom Rotor Drive Sprocket



#LTS8032134

#80 32 Tooth

(2) 3/8 Coarse Thd. Allen Wrench Set Screw

1 $\frac{3}{4}$ " I.D.

7/16 Key way.

. Drive Key #LT716716178

*Must use Hardened Key

*Early Machines (Prior to 2013) had 3/8 Key way

*Put Red Loctite Through Set Screw Holes When Installing Sprocket

Idler Sprocket



#LTS801134

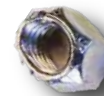
#80 11 Tooth

Retained By:

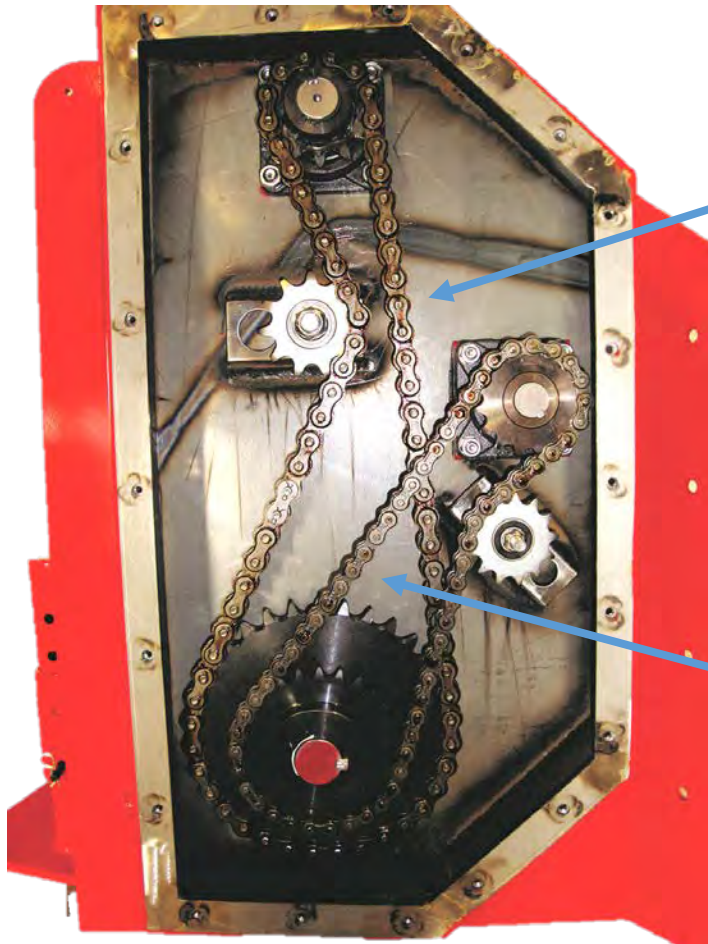
$\frac{3}{4}$ x $3\frac{1}{2}$ gr.5 Carriage Bolt.

$1\frac{1}{2}$ " Long Spacer Behind Sprocket. #LT120117

$\frac{3}{4}$ Lock Nut.



Drive Chains



#80

72 Rollers

#LTRC8072

Connector Link

#LT80CLX

(See Next Page)

#60

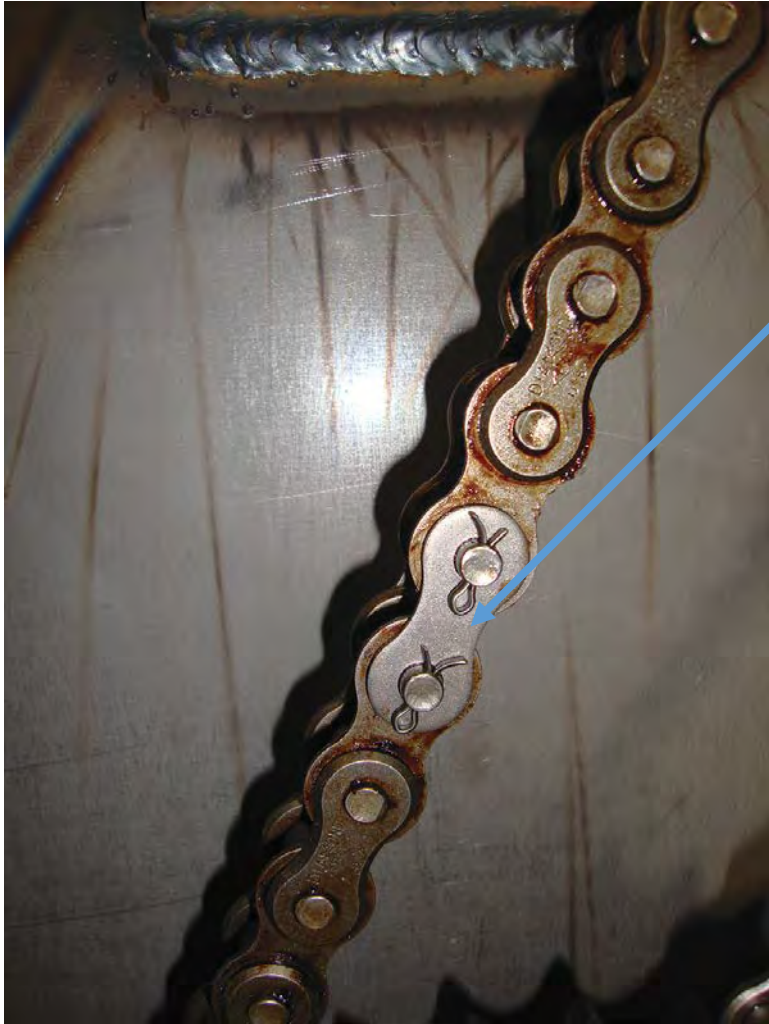
62 Rollers

#LTRC6062

Connector Link

#LT60CLX

Chain



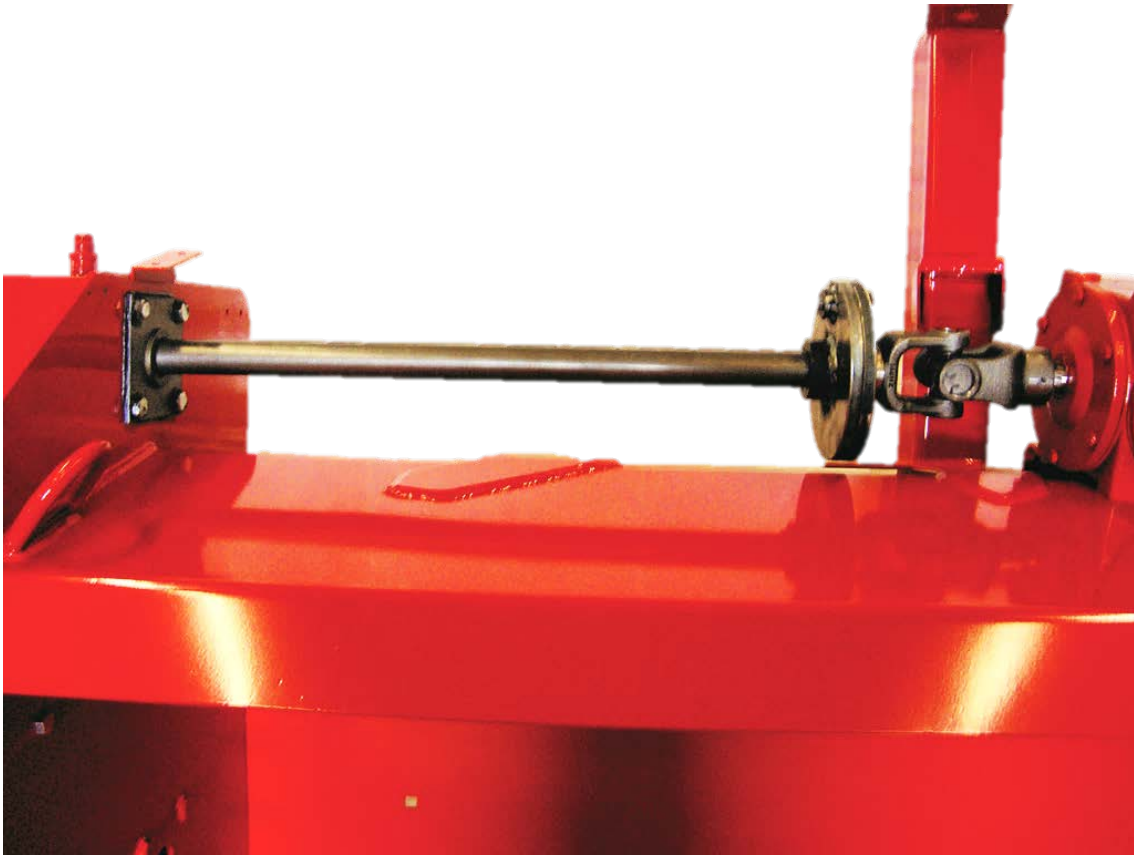
#80 Chain

-Drives Bottom Main Rotor.

-Use Connector Link with Cotter Pins.

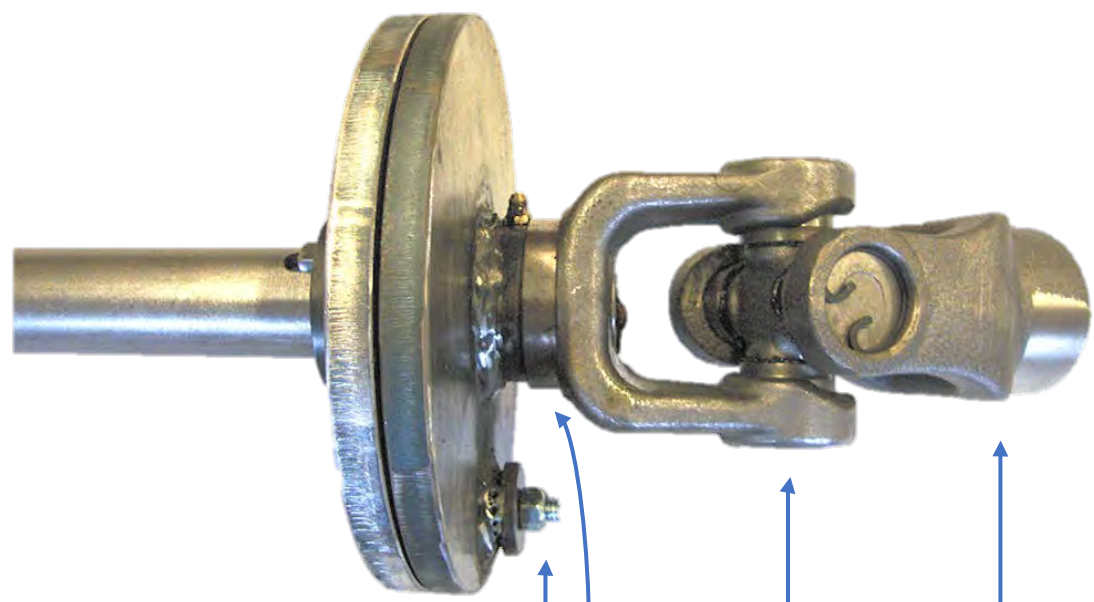
#LT80CLX

Upper Main Drive Shaft



- Upper Main Drive Shaft from Center Gearbox out to Chain Case.
- For Shearbolt and U Joint Next to Gearbox, See "Shearbolt Unit" Page
- For Information on Main Drive Shaft According to SNs see Drive Shaft Page

Shearbolt Unit (Complete Assm. #LT102915) – Does Not Include Shaft



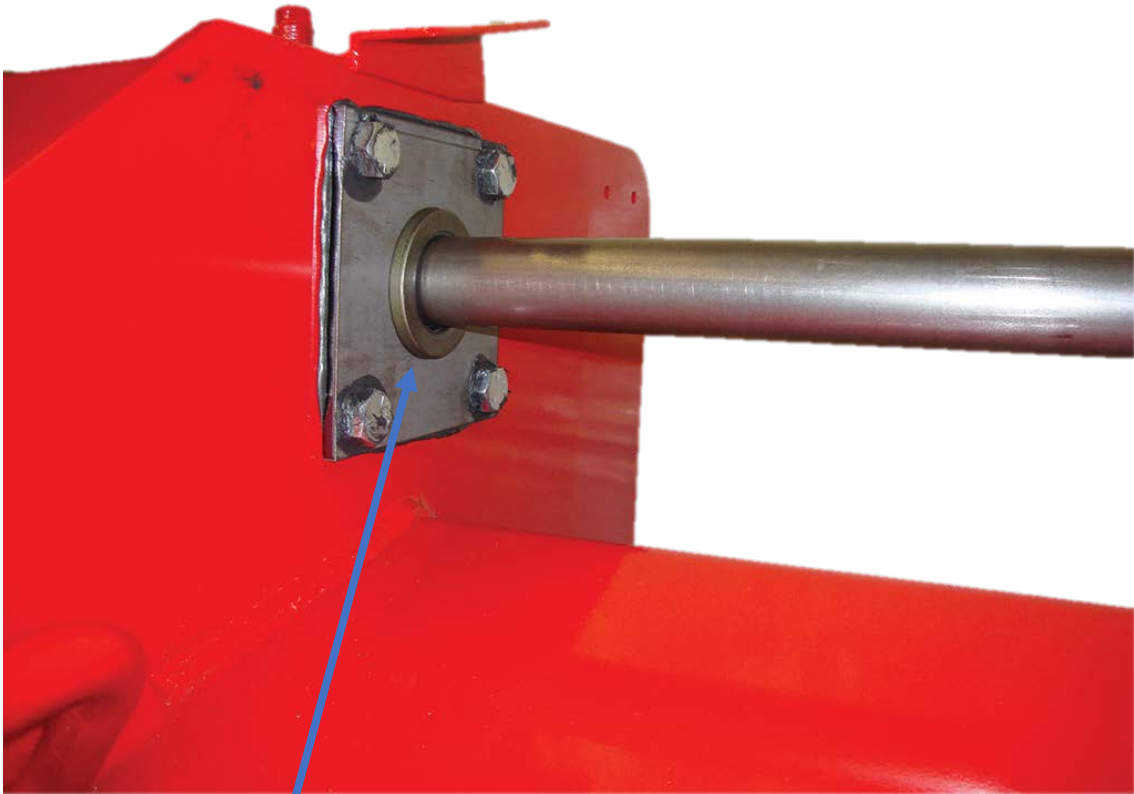
Shearbolt 3/8 x 2½ Grade 2
3/8 Lock Nut

#LT060114 Bronze Bushing

#LT060214 35 Series Cross Kit

#LT060314 35 Series Yoke. 5/16 keyway 1 3/8 Rnd I.D.

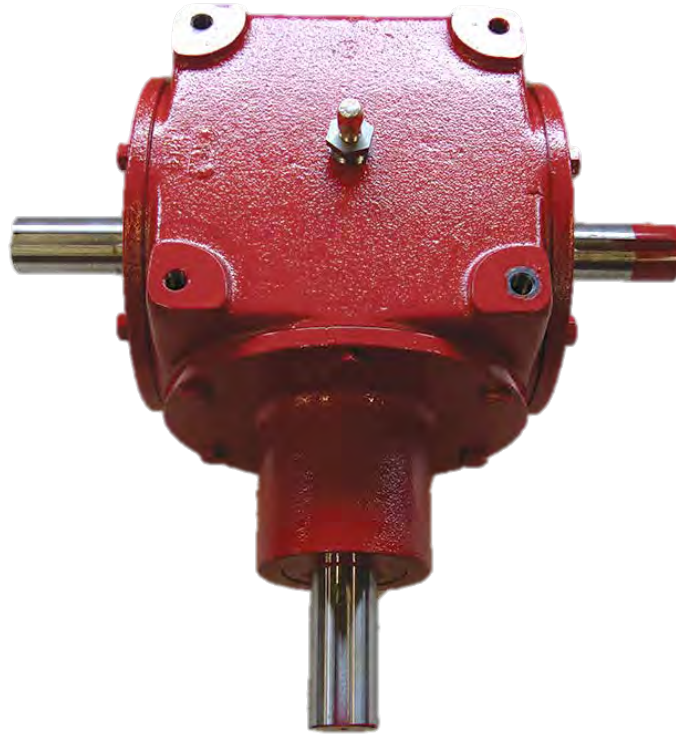
Oil Seal



#LT450067

Oil Seal - Top Main Drive Shaft at Chain Case

Gearbox



#LT0220-04004 Hub City

#LT132563TB Oil Seal-Input Shaft

#LT181872TB Oil Seal-Output Shaft

#LT190729M91 Breather Fitting

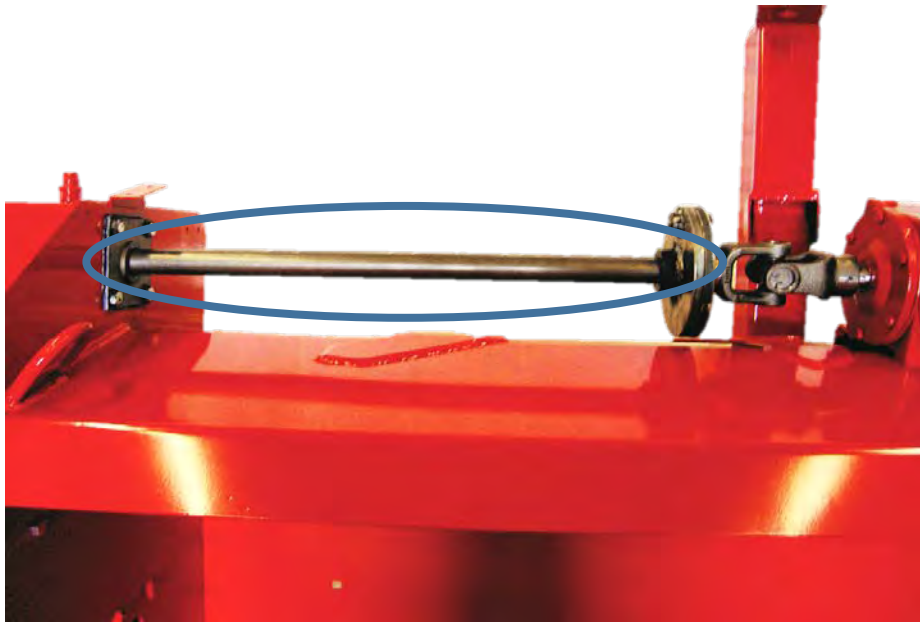
1 3/8 dia. Shafts have 5/16 key way – Drive Key (2) LT5165162 (hardened)

Top Main Drive Shaft

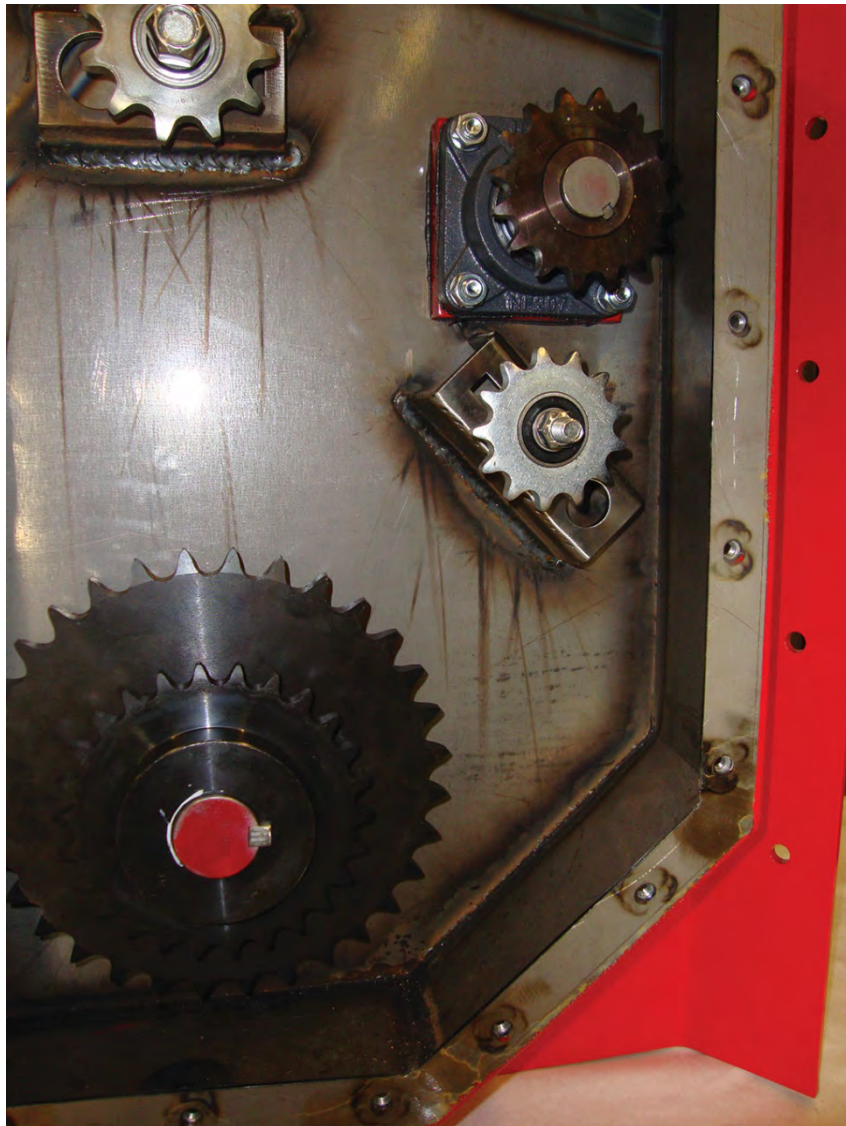


-Prior to SN 081514 Shaft Length = 36 $\frac{5}{8}$ " #LT123014A

-After SN 081514 Shaft Length = 36" #LT123014



Auger Drive Sprockets-See Next Page



Bottom Auger Drive Sprocket



#LTS6026134716

60 26 Tooth

1 $\frac{3}{4}$ " I.D.

7/16 Key way

Drive key LT716716114 (hardened)

Early Machines May Have 3/8 Key way. Prior to #010113

*Put Red Locktite Through Set Screw Holes When Installing

Idler Sprocket

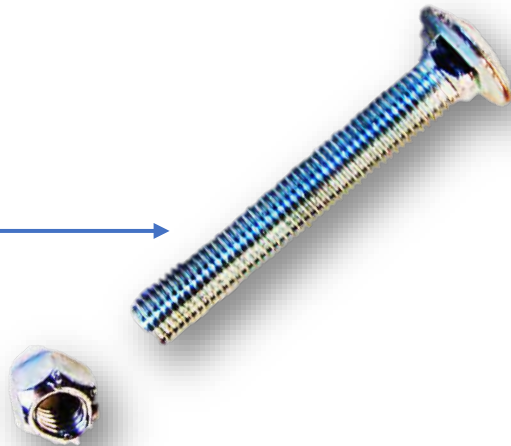


#LT601312

#60 13 Tooth

½ x 4 gr.5 Carriage Bolt

½ Lock Nut



Spacer behind sprocket 1 ¾" long

#LT120217

Auger Drive Sprocket - Upper



#LTS6016114

#60 16 Tooth

1¼" I.D.

¼" Key way

Drive key #LT1414112 (hardened)

Top Auger Assembly



#LT053014

Upper Auger Drive Shaft



#LT121414 - 1 1/4" Diameter - 1/4" Key way

Upper Auger End Shaft

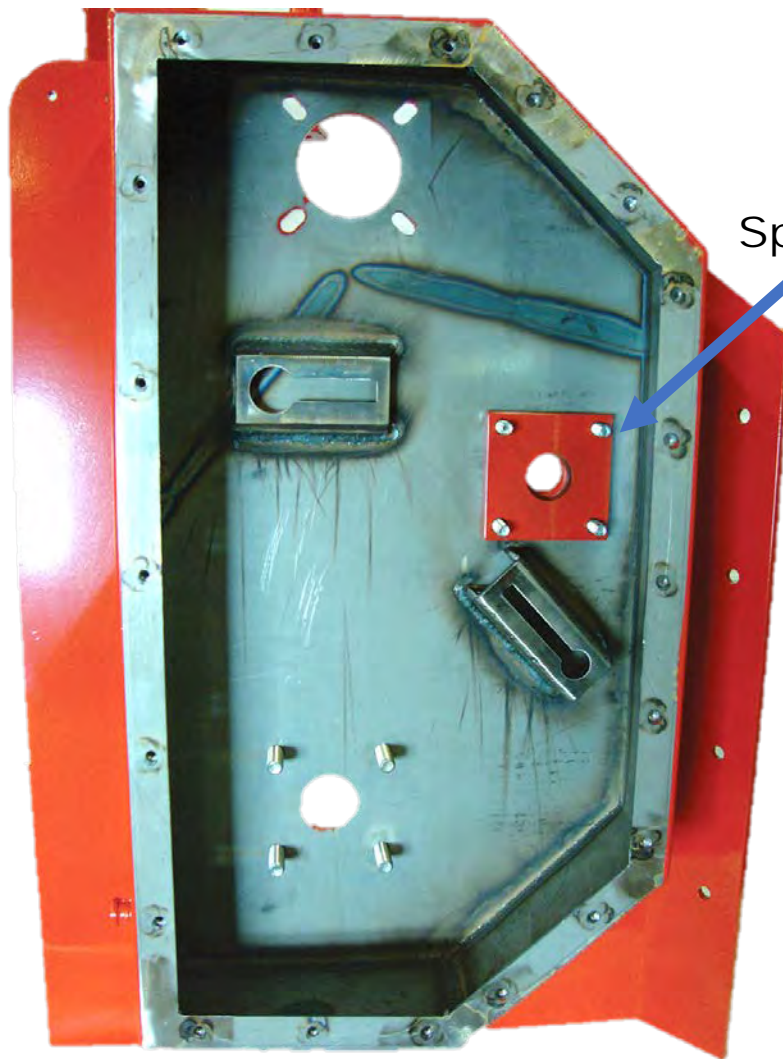


#LT121514

-After SN 010114 1 3/16" Smooth Round Shaft
Used Ball Bearing Assembly.

-Prior to SN 010114 15/16" Smooth Round Shaft
Used Bushing Assembly.*

*If Replacing #LT121514, Change to Ball Bearing Assembly



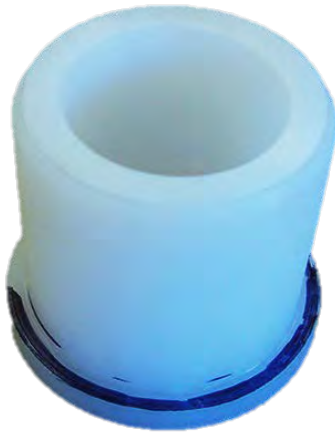
Spacer Plate Behind
Bearing-Upper
Auger Drive End.

Spacer Plate



#LT0413-1

Outer End of Top Auger Bushings-Prior to SN 010114



#LT35443431
White Plastic Bushing



#LT051014
Brown Phenolic Bushing

Bushing Bearing Unit – Prior to SN 010114



#LT020915

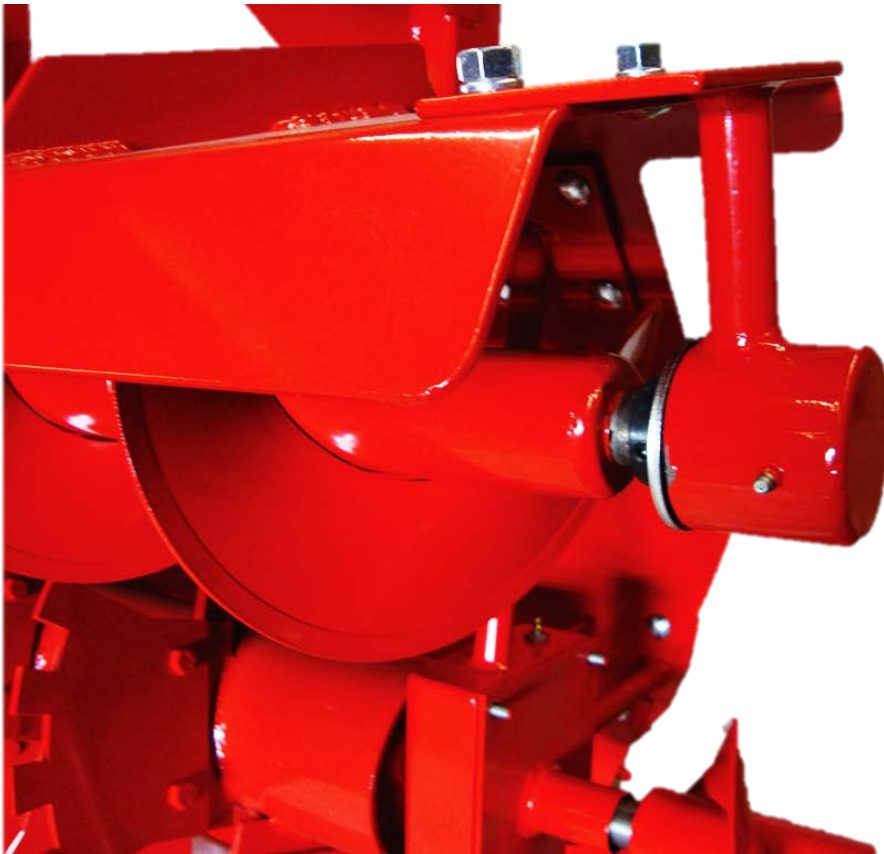
*Ball Bearing Arrangement in Use After SN 010114

See Next 2 Pages

Ball Bearing Update Kit is Available #LTAUGERBEARINGKIT

Converts to Ball Bearing Design (Need to Weld New Shaft
into Auger Tube Supplied with Kit)

Ball Bearing Unit



Ball Bearing Unit - Outer End of Top Auger After SN 010114

Ball Bearing Unit



#LT111514
Collar/Washer



#LTB1316
Bearing With
Collar 1&3/16" I.D.

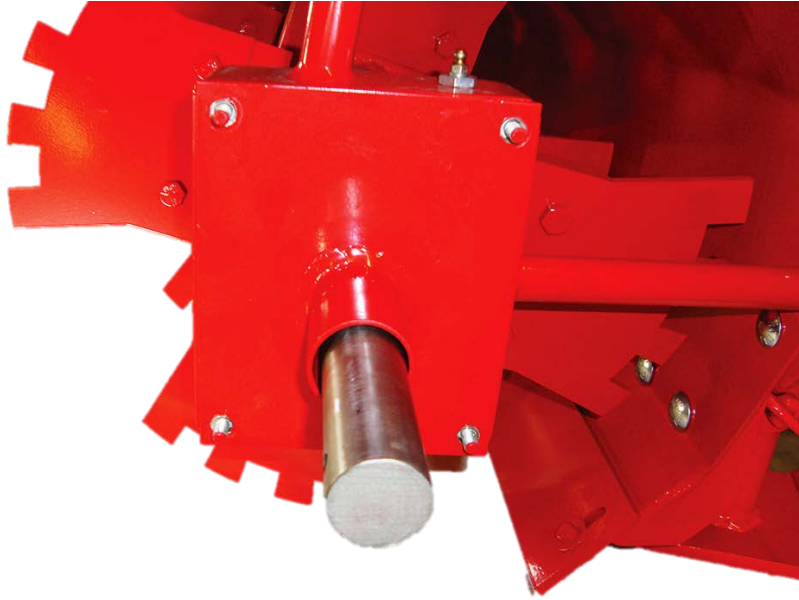


#LT121614 Bearing
Carrier Frame

End View Top Auger and Bottom Rotor



Square Bearing Box With Cover



#LT030515

Bearing Box Cover – Rotor Outer End





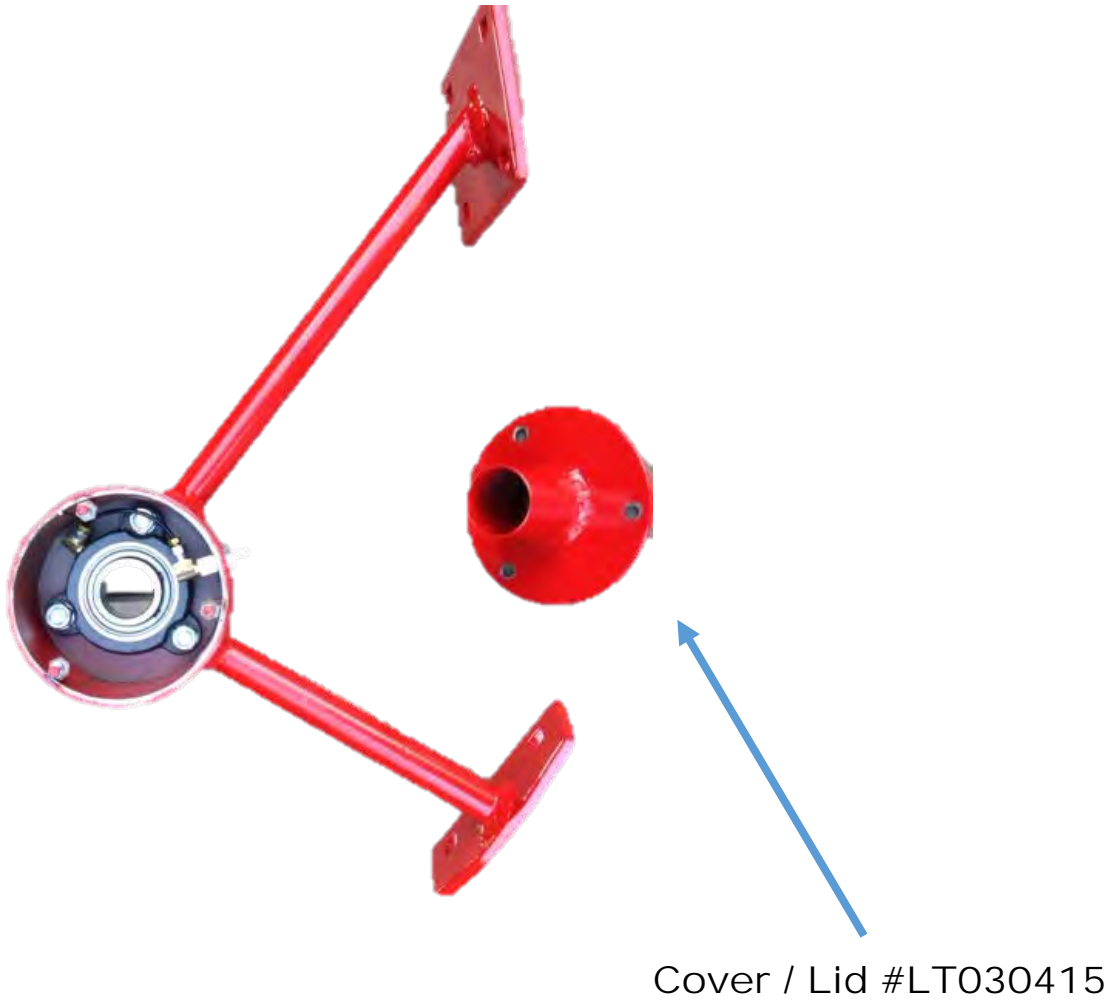
#LT090115

Bearing Box Frame (Square)

With Bearing and Grease Line Installed

Without Cover

Prior SN: #112016



#LT081117

Bearing Box Frame (Round)

With Bearing and Grease Line Installed

Without Cover

After SN #112016



Round Bearing Box / Frame

Bearing - #LTB1383

1 3/8" I.D. Set Screw Locking

3 Bolt Mount

3- 7/16 x 1 1/4 bolt

3- 7/16" Nut

3- 7/16" Lock Washer

Rotor End Bearing Box



#LTB1384 brg.

1 3/8" I.D. with Lock Collar

1/2" Bolt Holes

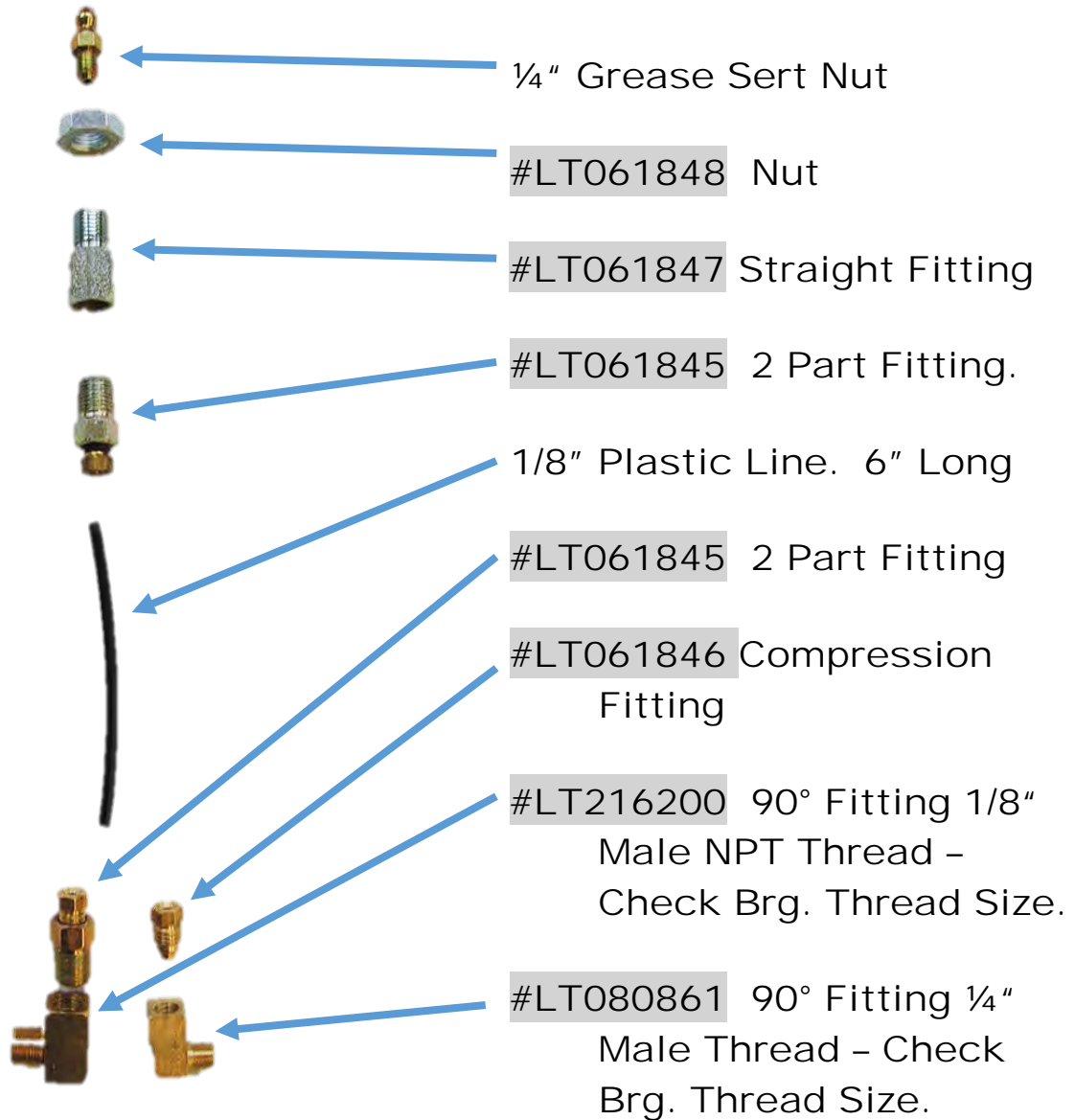
Retained with 4- 1/2 x 1 1/2 Bolt, 4- 1/2" Nut, 4- 1/2" Lock Washers

Grease Tube Items

(Next Page)

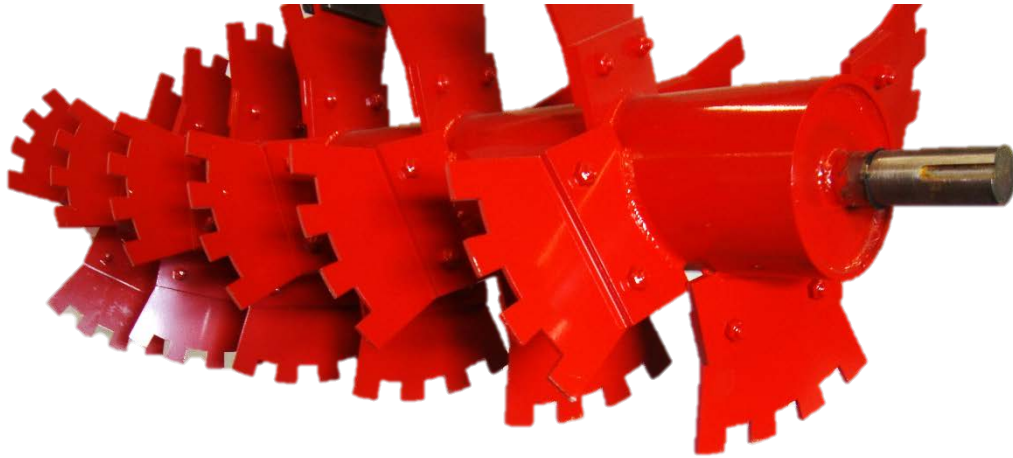


Grease Tube Assembly



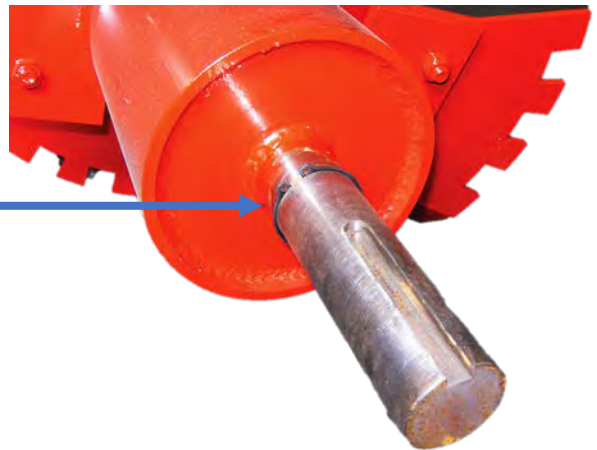
Kit Part #LT012518 - Includes all Items

Main Rotor



Rotor unit without paddles #LT031116

#LTSRE134 1 $\frac{3}{4}$ " Snap Ring



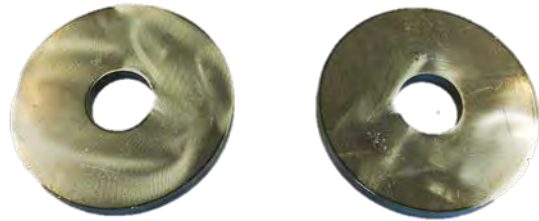
See next page for end shaft and
drive shaft of rotor

Main Rotor Drive And Outer End Shafts

Drive Shaft



#LT111414



#LT111714 1 3/4" I.D.

2 Discs Needed When Replacing This Shaft

Outer Shaft



#LT111214



#LT111814 1 3/8" I.D.

2 Discs Needed When Replacing This Shaft

Mounting Bracket - Skid Shoe



#LT121214

Retained With:

- (3) 5/8 x 2 gr.5 Carriage Bolts
- (3) 5/8 Flat Washers
- (3) 5/8 Lock Washers
- (3) 5/8 Nuts

Skid Shoe



Skid Shoe
#LT121314



Skid Shoe Pin
#LTFX01500

Front PTO Drive Shaft:

Prior to SN 050114 – Double CV Joint Assembly

Front and Rear CV Joints are not the Same

Sliding Extensions are Male/Female Splined

See Next Page



Front Half of Shaft – Splined Male



#LT060414 – Includes Shield

CV-80, 35 Series 1 5/16 20 Spline Male Shaft

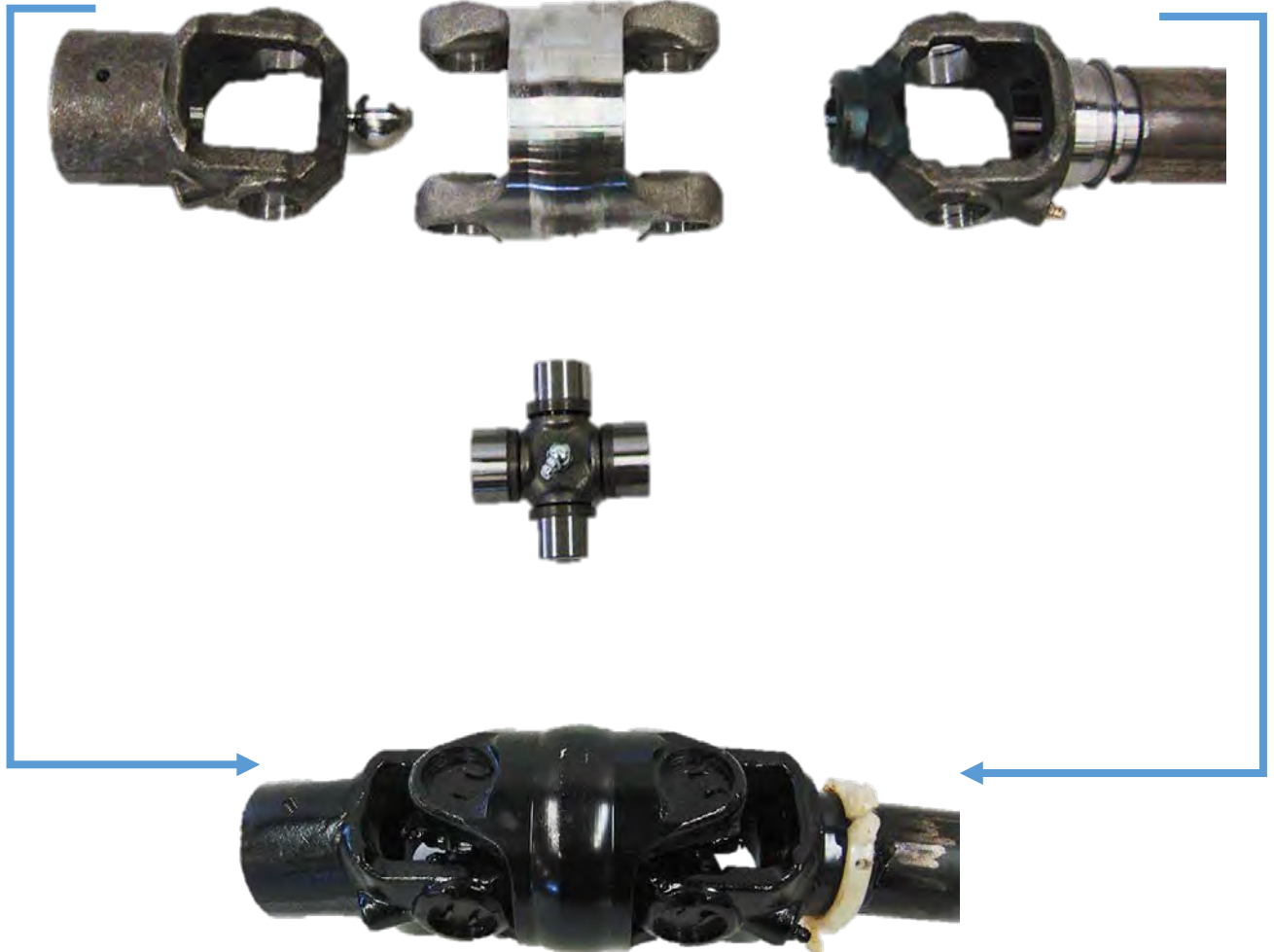
Rear Half of Shaft – Splined Female



#LT060514

Can Be Replaced with Later Style
Complete Shaft Assembly #LT79P522

Rear Half of Shaft- CV Joints



See Next Page

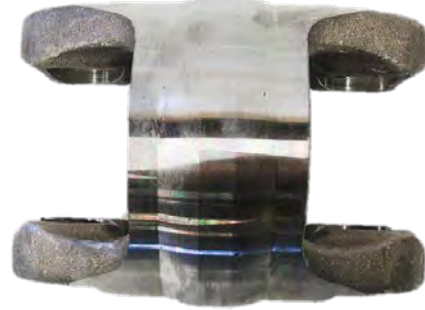
End Yoke



#LT060614

Attaches to Gear Box Shaft

Center Housing



#LT060714

Cross Kit



#LT060214

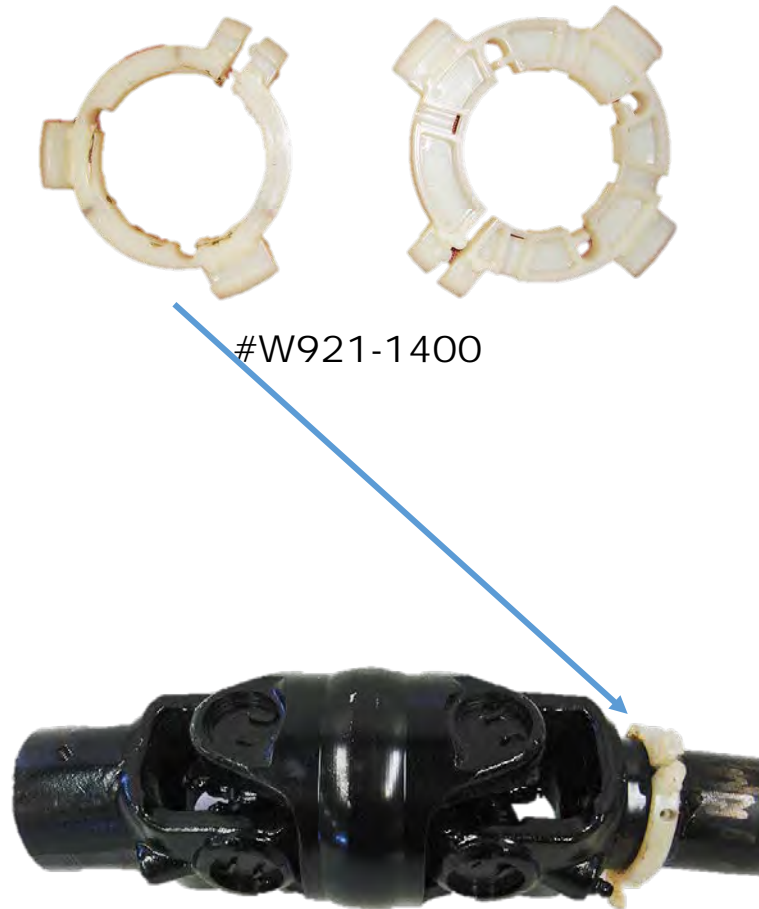
(2 - Required)

Rear Shaft



#LT060814

Shield Bearing Kit



#W921-1400

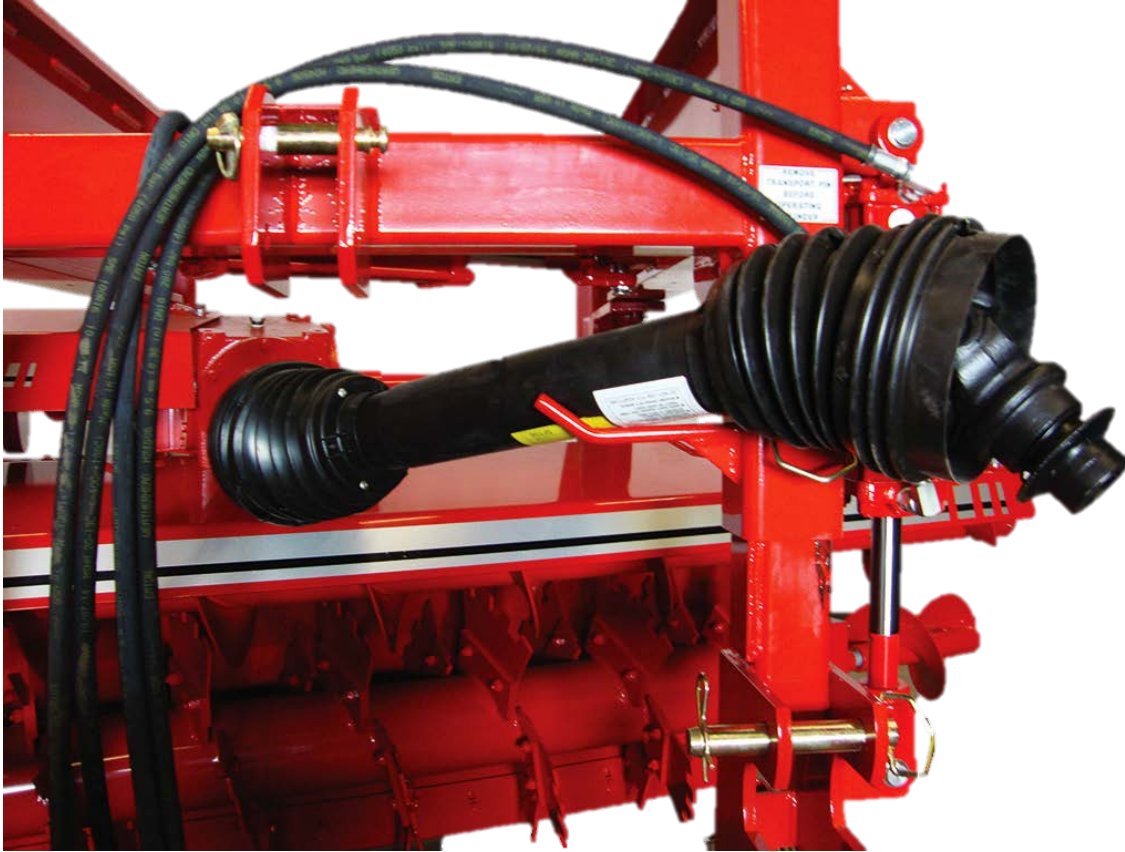
*Bearing for Rear Half of Shaft Must be Modified on I.D. to Fit the Shaft Groove

PTO Shield



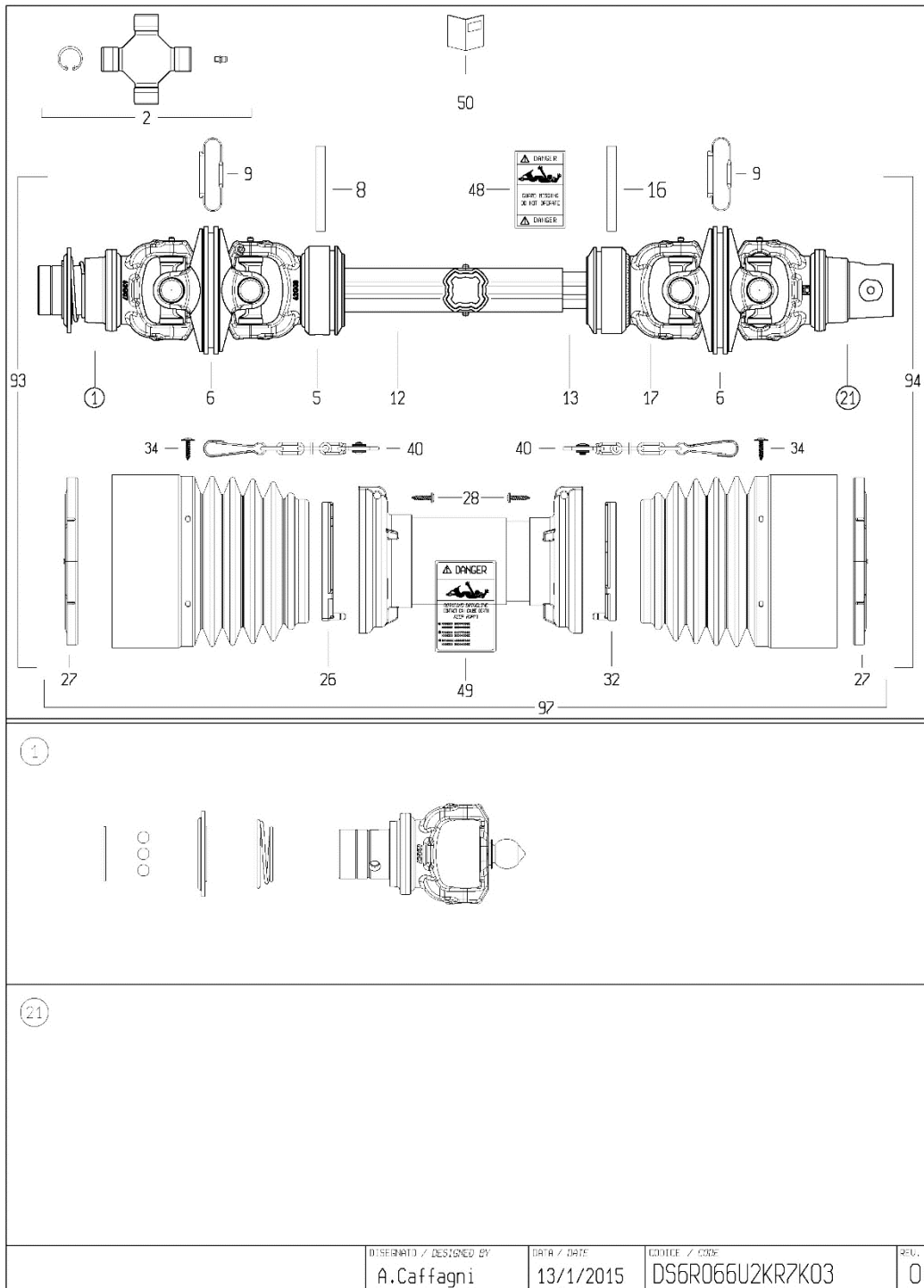
#LT061014

Photo of Drive Shaft Used After SN 050114



This is a Metric Shaft Using 4 "Lobe" Tubings.

-Male Tube is Coated With "Rislant" Coating





PTO Drive Shaft

#LT79P522 - Complete shaft assembly with shield

#LT79P522F - Front half shaft assembly with shield

#LT79P522 - Rear half shaft assembly with shield

#LT061114 - Cross Kit

#LT061214 - Complete shield assembly

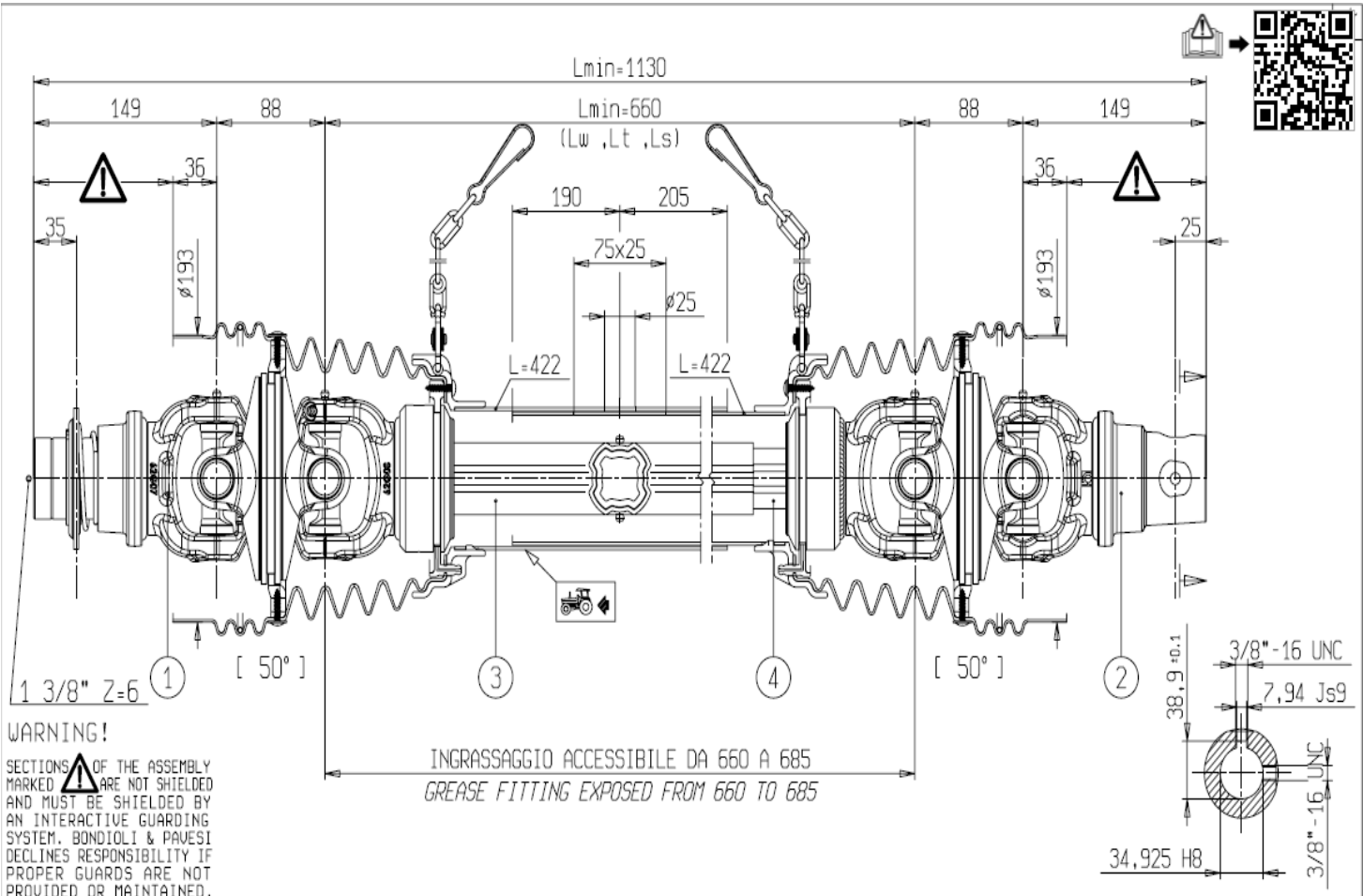


Spare Parts List

Codes

DS6R066U2KR7K03

Ref	Codes	Q. t	Description SAP
1	5730G0353	1	-
2	4120G0051R24	4	CROSS KIT S6-1R6-G5-G7 EL 80°CV 27x100
5	2080G6869	1	YOKE WITH HUB
6	2080G0064	2	CV BODY 1R6-S6 50°CV
8	341103000R10	1	FLEXIBLE ROLL PIN 10X95 DIN1481
9	246000116R	2	BOOT 50°CV S6 RUBBER
12	237D03Q94R	1	CARDAN TUBE OUTER 12246 L=505
13	2453N0520R	1	CARDAN TUBE INNER 12244 L=520 RILSAN
16	341103000R10	1	FLEXIBLE ROLL PIN 10X95 DIN1481
17	2080G6870	1	YOKE GO50/6
21	2080G8701R	1	YOKE GO50°/6 -233008702 1-3/8"C5/16"
26	2550G0001R02	1	SHIELD SUPPORT SFT S6-S7-S8 OUTER
27	2550G0024R02	2	SHIELD SUPPORT SFT EL CV80 S6 CV50 S6-S8
28	310001431R30	6	SCREW 4.8x22 SELF TAP ZINC
32	2550G0002R02	1	SHIELD SUPPORT SFT S6-S7-S8 INNER
34	310001428R30	12	SCREW 4.8x22 SELF TAP ZINC FLANGE HEAD
40	252000101R02	2	SHIELD CHAIN w/SPRING LINK L=500mm
48	399143000	1	LABEL - DANGER - OUTER DRIVE TUBE
49	399141000	1	LABEL - DANGER - OUTER SHIELD TUBE
50	399USA011	1	INSTRUCTION BOOKLET - N.AMERICA SFT
93	DS6R066U2EK01	1	OUTER HALF SHAFT
94	DS6R066U2IK02	1	INNER HALF SHAFT
97	4CS6066U2KK001	1	SHIELD KIT



WARNING!
 SECTIONS OF THE ASSEMBLY ARE NOT SHIELDED AND MUST BE SHIELDED BY AN INTERACTIVE GUARDING SYSTEM. BONDIOLI & PAVESI DECLINES RESPONSIBILITY IF PROPER GUARDS ARE NOT PROVIDED OR MAINTAINED.

INGRASSAGGIO ACCESSIBILE DA 660 A 685
 GREASE FITTING EXPOSED FROM 660 TO 685

1 CODICE CODE KR7	LATO TRATTORE TRACTOR SIDE	LATO MACCHINA IMPLEMENT SIDE	TIPO-TYPE SFT-S6	CLIENTE / CUSTOMER 87619500 MAUGANSVILLE AG INDUSTRIAL LLC	RIF. CLIENTE / CUSTOMER REF.
2 CODICE CODE 2080G8701R			DATA / DATE 23/12/2014	DISIGNATO / DESIGNED BY L.Savoia	
3 L=505	VELOCITA' MAX MAX SPEED 540 min ⁻¹	M max 3000 Nm	LUNGHENZA MAX IN LAVORO MAX WORKING LENGTH Lw=891	STUDIO / DESIGN TRS6R066012	ORIGINE / ORIGIN DS6R066U2KR7K02
4 RILSAN L=520			LUNGHENZA MAX TEMPORANEA MAX TEMPORARY LENGTH Lt=968	NOTE / NOTES SPEC.X: POS.2: DIRECT GREASING.	
			LUNGHENZA MAX NON IN ROTAZIONE MAX LENGTH AT STANDSTILL Ls=1007		CODICE / CODE DS6R066U2KR7K03
					REV. 0



WARRANTY POLICY AND CONDITIONS

BINKLEY & HURST, LP P.O. BOX 100, 700 EAST LINDEN STREET, RICHLAND, PA 17087, hereinafter called

B&H, offers the following limited warranty in accordance with the provisions below to each original retail purchaser of B&H new equipment of its own manufacturer, that such equipment is at the time of delivery to such purchaser, free from defects in material and workmanship and that such equipment will be warranted for a period of 6 months for single farm use and 3 months for commercial use from the date of delivery to the end user providing the machine is used and serviced in accordance with the recommendations of B&H and is operated under normal farm conditions.

1. This warranty will be withdrawn if any equipment has been used for purposes other than for which is was intended or if it has been misused, neglected, or damaged by accident, let out on hire or furnished by a rental agency. Nor can claims be accepted if parts other than those manufactured by B&H have been incorporated in any of our equipment. Further, B&H shall not be responsible for damage in transit or handling and under no circumstances within or without the warranty period will B&H be liable for damages of loss of use, or damages resulting from delay or any consequential damage.
2. We cannot be held responsible for loss of livestock, or any expense or loss incurred for labor, supplies, substitute machinery, rental for any other reason, or for injuries either to the owner or to a third party, nor can we be called upon to be responsible for labor charges, other than originally agreed, incurred in the removal or replacement of components.
3. The customer will be responsible for and bear the cost of:
 - a) Normal maintenance such as greasing, maintenance of oil levels, minor adjustments, etc.
 - b) Transportation of any B&H product to and from where the warranty work is performed.
 - c) Dealer travel time to and from the machine or to deliver and return the machine from the service workshop for repair.
 - d) Dealer travel costs.
4. Parts defined as normal wearing items, (i.e. cutting edge, skid shoes, etc.) are not in any way covered under this warranty.
5. This warranty will not apply to any product that is altered or modified without the express written permission of B&H and/or repaired by anyone other than B&H or B&H's approved dealers.
6. This warranty may not be assigned or transferred to anyone.
7. **SIGNING THIS FORM INDICATES THAT YOU HAVE READ AND UNDERSTAND THE OWNERS MANUAL & MACHINE SAFETY.**

WARRANTY REGISTRATION

Customer Name: _____

Salesperson Name: _____

Address: _____

City/State/Zip: _____

Phone: _____ Cell: _____

Machine Model: _____ Machine Serial# _____

Delivery Date: _____

Customer Signature: _____



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- 7. We cannot be held responsible for loss of livestock, or any expense or loss incurred for labor, supplies, substitute machinery, rental for any other reason, or for injuries either to the owner or to a third party, nor can we be called upon to be responsible for labor charges, other than originally agreed, incurred in the removal or replacement of components.
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Machine Model: _____ Machine Serial# _____

Delivery Date: _____

Customer Signature: _____