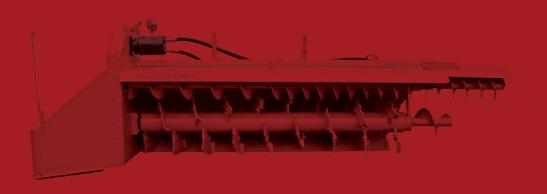


LVI LITTER PROCESSOR SLC-HD #LTMAN009





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Thank you for the Purchase & Support of your LVI litter processor!



INTRODUCTION

Congratulations on your choice of the 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 model SLC-HD Model manufactured by LVI - 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 driver's seat facing forward.

CUSTOMER REFERENCE INFORMATION

LVI Model Number: _	
LVI Serial Number:	
Dealer Tel #:	

BINKLEY & HURST, LP Toll-free: 888.414.7518

LVI LITTER PROCESSOR PAGE: www.lvimfg.com LVI DEALER LIST:www.lvimfg.com/dealerlist



SAFETY DECALS

The safety decals have been placed on the machine 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 eligible or have been removed, replacements are available from Binkley & Hurst, LP.

Toll-free: 888.414.7518

These Safety Decals Are on your Litter Processor



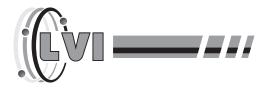


DANGER

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.

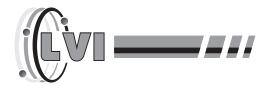
Remember, YOU are the key to safety. Good safety practices not only protect you, but also the people around you. Make these practices a working part of your safety program. Be certain that EVERYONE operating this equipment is familiar with the recommended operating and maintenance procedures and follows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

- Do not allow any person to ride along on the skid loader, walk beside the machine, or ride on the composter while operating.
- Do not crawl or lay under the composter while it is in a raised position.
 - If needing to perform maintenance under the machine:
 Raise the machine, put substantial blocks and/or safety stands under both ends of the machine. Make sure the skid loader parking brake is firmly applied, engine turned off, and ignition key removed from ignition switch. As a safety precaution, have a second person assisting while working under the composter machine.
- Never operate the machine without proper shields on the PTO shaft and other drive shafts.
- If checking/investigating the composter while it is in operation becomes necessary, fully lower the
 machine to the ground. Set skid loader parking brake, turn off engine, then proceed with checking
 the machine.
- Think SAFETY! Work SAFELY!



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 skid loader.
- 11. Use hazard flashers on skid loader 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.



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 ingood 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.
- 8. Think SAFETY! Work SAFELY!

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.



PRE-OPERATION CHECKLIST

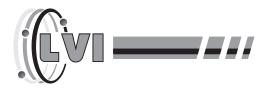
Efficient and safe operation of the LVI LITTER PROCESSOR requires that each operator reads and understands all the operating procedures and all the related safety precautions outlined in this section.

- 1. Lubricate the machine as per the schedule inthe Service and Maintenance section of themanual.
- 2. Use only skid loader with adequate power to operate your LVI LITTER PROCESSOR.
- 3. Make sure the chain case reservoir is filled to the proper level.
- 4. Ensure that the machine is properly attached to your skid loader.
- 5. Check the hydraulic system.
- 6. Inspect all hydraulic and oil lines, hoses, fittings, and coupler for tightness.
- 7. Check for and remove entangled material from the augers.
- 8. Close and secure all guards.

EQUIPMENT MATCHING

The LVI LITTER PROCESSOR -These models are designed to be used with an appropriate size skid loader. It is recommended to use a skid loader with hydraulic flow rating of 30gpm-40gpm for the SLC-HD machine. A skid loader with a "hi-flow" hydraulic system works the best.

IMPORTANT: Attach skid loader to the LVI PROCESSOR. Park on a hard, flat level surface. Lower the skid loader boom all the way down. Tilt Processor machine forward. If the machine does not set level on the floor, adjust the height of the attaching frame (six large bolts with slots) where it is attached to the main processor trough. The machine must set flat onto the floor with the skid loader boom all the way down.



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 skid loader at full throttle and to drive forward at a slow steady movement.

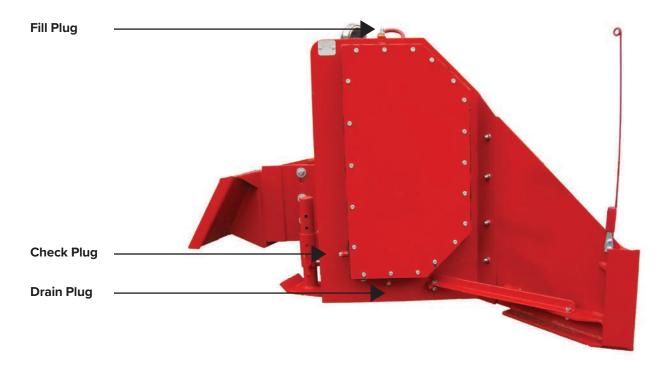
Proceed along the outer wall of the poultry house with the right hand wing of the processor machine. Travel around the perimeter of the poultry house. (It is advisable to scoop litter out of the corners before beginning the process.) Proceed to make a 2nd round bringing in the first small windrow along with the unprocessed litter. Travel slowly forward,watch oil pressure gauge on the machine to avoid having the gauge no higher than 3000 psi. After making 2 or 3 rounds, then proceed up and down the center of the poultry house in order to have 2 or 3 final windrows the length of the poultry house. After at least 48 hours of heating, these windrows can be reprocessed into fresh windrows in order to have proper composting.



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 tensions, unplug both hydraulic hoses from the skid loader. To check drive chain for main rotor, rock the main rotor back and forth. There should be very little free play. To check upper auger free play, hold main rotor stationary and rock upper auger. There should be very little free play. To tighten chains, drain oil from chain case and remove cover. Adjust chains as necessary and reinstall cover using silicone sealer to seal cover. Refill chain case with oil.





LUBRICATION

6 grease zerks on attachment frame pivot. Liberally grease at beginning of each day of use.



2 grease zerks on bearing at outer end of top auger. 4 pumps of grease every 4 hours of use.



1 grease zerk on bearing at outer end of bottom auger. 4 pumps of grease every 4 hours of use.





MAINTENANCE

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

DESCRIPTION	HOURS OF OPERATION	SPECIAL INSTRUCTIONS
Chain Case	Every 3 Months	80-90EP GL-5 Gear Oil

Maintain skid loader hydraulic oil as recommended by its manufacturer. Operation of the Litter processor will increase the hydraulic oil temperature of the skid loader.

LVI nor Binkley & Hurst LP will not be held responsible for any damage to or failure of the skid loader while powering the LVI Litter Processor.



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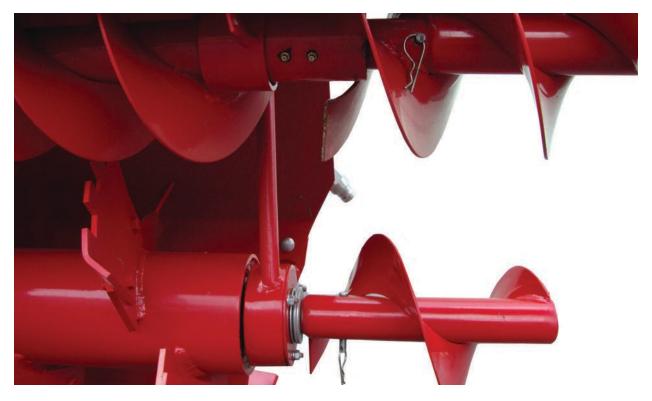




LOWER EXTENSION AUGER

#LT091015





RETAINING PIN - UPPER EXTENSION AUGER

#CPP 3/8" X 3"

RETAINING PIN - LOWER EXTENSION AUGER

#CPP 3/8" X 2 1/2"

HAIR CLIP PINS

#HP8

Spacer washers between lower extension auger and bearing housing

Quantity as needed #LTFW 11/4" (Actual hole size 13/8")







SKID SHOE

#LT121314

SKID SHOE PIN

#LTFX01500





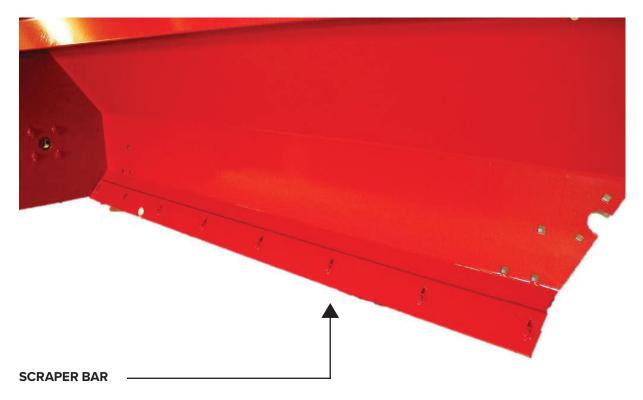
MOUNTING BRACKET SKID SHOE

#LT121214

Retained with:

- (3) 5/8" x 11/2" gr.2 carriage bolts
- (3) 5/8" flat washers
- (3) 5/8" lock washers
- (3) 5/8" nuts





#LT09250811, hardened and reversible

Retained by;

- (8) 7/16" x 1 1/4" bolts gr. 5
- (8) lock washers
- (8) flat washers
- (8) 7/16" nut





MALE HYDRAULIC COUPLER

#LTFF491-6, (3/4" NPT female threads)

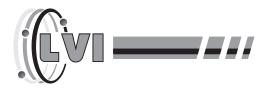
FEMALE HYDRAULIC COUPLER

#LTFF495-6 (3/4" NPT female threads)

3RD SMALL LINE - case drain from hydraulic motor (not show)

FEMALE HYDRAULIC COUPLER

#LTFF495-3





ROTOR BEARING OUTTER END

#LTB1383

13/8" shaft diameter, set screw locking

Retained with:

(3) - 7/16" x 1 1/4" bolt, nut, lock washer

After installing bearing, fill housing completely full of grease. Install cover lid and pump full of grease using grease zerk on outside of housing.





PADDLES ON MAIN ROTOR

26 paddles #LT0115-9

Retained with:

- (2) 1/2" x 1 1/4" bolt
- (2) 1/2" lock nut



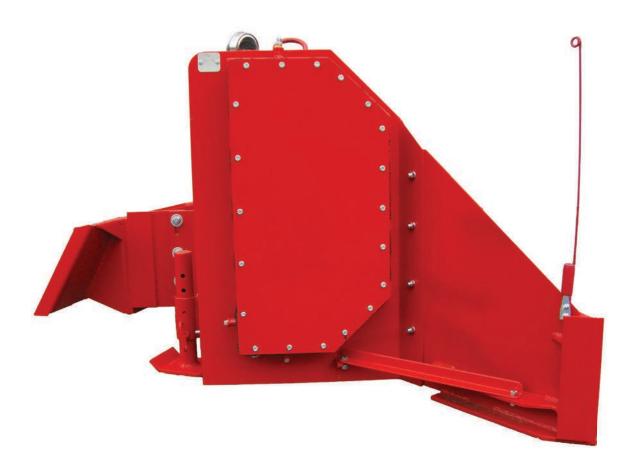


ROTOR DRIVE SHAFT

#LT111614 (When replacing drive shaft 2 of LT111714 discs needed)

Snap ring #LTSRE134





CHAIN CASE COVER LID

#LT081617

Retained with:

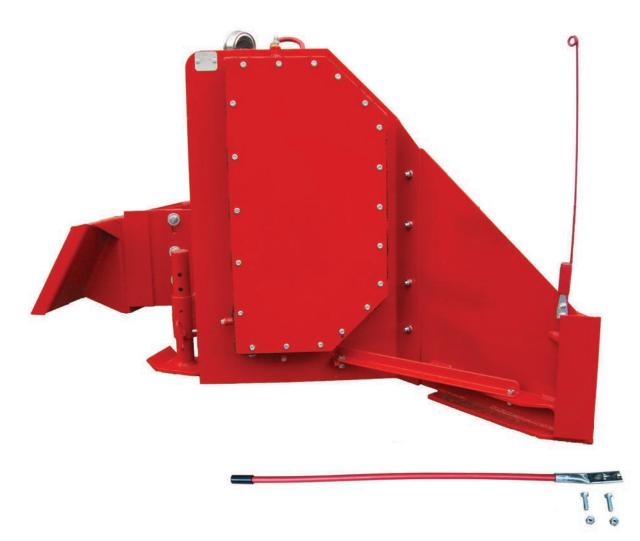
(20) - 5/16" x 1 flange head bolts #LT365053X1

Silicone sealant to seal lid to chaincase #LT586198

Breather vent on top of chain case #LT190729 m91

1/2" x 1/8" NPT adaptor bushing #LT44236





MARKER WHIP ON WING

Marker Whip #LT62265

- (2) 5/16" x 1" bolts
- (2) 5/16" lock nuts





WING ASSEMBLY

#LT022815

Retained with:

- (5) 1/2" x 1 1/2" bolts
- (4) 1/2" nuts
- (4) 1/2" lock washers
- (1) 1/2" lock nut

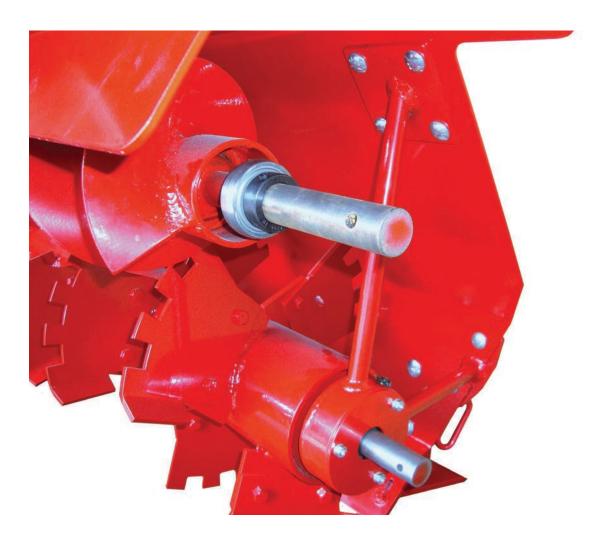




BEARING CARRIER FRAME (2 GREASE ZERKS)

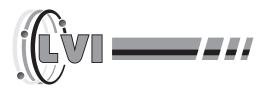
Top auger outter end #LT050119





BEARING (OUTTER END OF TOP AUGER)

#LTB1316 1 3/16 ID with lock collar



TOP AUGER

#LT050217 (does not include top extension auger)







BEARING CARRIER FRAME

#LT011019

Outer end bottom rotor (with bearing installed)
No grease line (without cover plate)

Cover plate #LT01119

COVER LID GASKET

#LT030815, rubber





LARGE DRIVE CHAIN

80RCX x 66"
66 rollers, #80 standard chain
(1) - #80 connector link - LT80CLX

Auger drive chain #LTRC6062 (62) rollers #60 standard chain (1) - #60 connector link - LT60CLXHKK







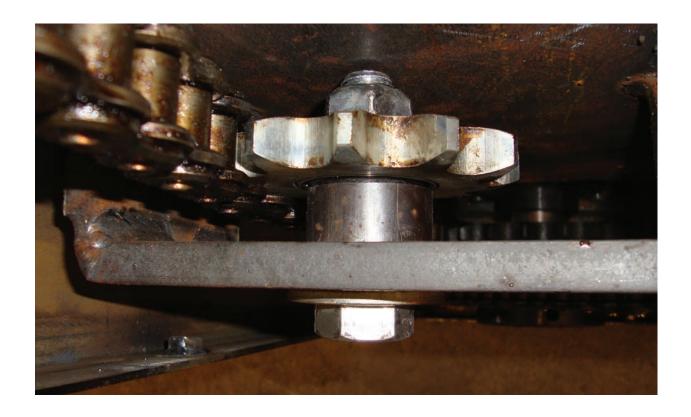
SMALL IDLER SPROCKET

#60 chain #LT601312

Retaining hardware:

- (1) 1/2" x 3" carriage bolt #LT5C 1/2 x 3C
- (5) 1/2" flat washers (between sprocket & slide frame
- (1) 1/2" lock nut





LARGE IDLER SPROCKET

#80 chain #LTs801134

Retaining hardware:

- (1) 3/4" x 3 bolt
- (1) 3/4 flat washer
- (1) 3/4 lock nut
- (1) spacer #LT022915, 1 5/8" O.D., 3/4" I.D., 3/4" long



CHAIN CASE

Top sprocket #LT80BS 16 x 1 1/2 #80, 16T, 1 1/2", 3/8" keyway Drive key #LT3838112

Idler sprocket #LTs801134

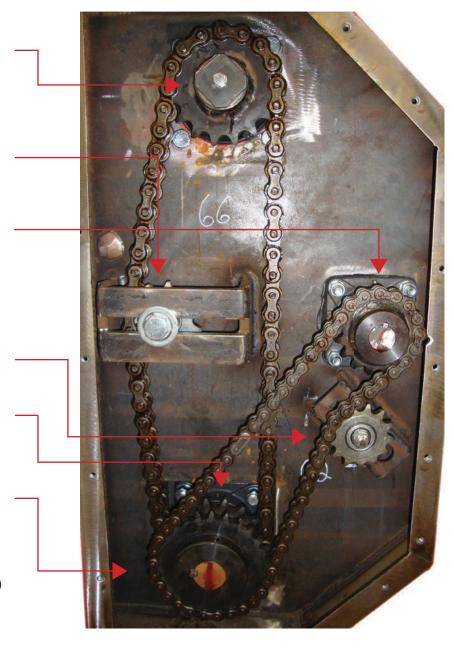
Auger sprocket #LTS6016114 #60, 16T, 1 1/4", 1/4" keyway Drive key #LT1414112

Idler sproket #LT601312

Inner BTM sproket #LT80BS 18 x 1 3/4 #80, 18T, 1 3/4", 7/16" keyway

Outter BTM sprocket #LTS6026134716 #60, 26T, 1 3/4", 7/16" keyway

Drive key (both Inner & Outter) #LT716716112







COLLAR / SPACER - TOP SPROCKET ON DRIVE MOTOR

#LTS1108K, (1) - 1/2" I.D.

Washer #LTMBL 1 1/2, (1) - 1/2" I.D.

Sprocket #LT80BS 16 x 1 1/2

Drive key #LT3838112

Washers #LTMBL 1 1/2, (1) - 1/2" I.D.

Plate #LT200102

Lock washer 3/8"

Bolt 3/8 x 1"



HYDRAULIC MOTOR CASE

Hydraulic Motor Top - #LT8015 (4) - 5/8" x 2 1/2" bolt, nut, lock washer

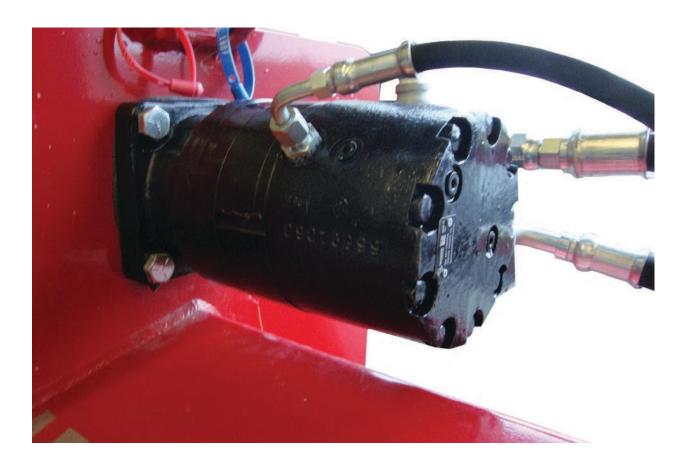
Bearing on auger Center - #LTB1144 1 1/4" I.D., lock collar, 4 bolt mount (4) - 1/2" x 2" bolt, nut, lock washer

Bearing on main rotor Bottom - #LTB1344 1 3/4" I.D., 4 bolt mount with lock collar

(4) - 5/8" x 2" bolt, nut, lock washer



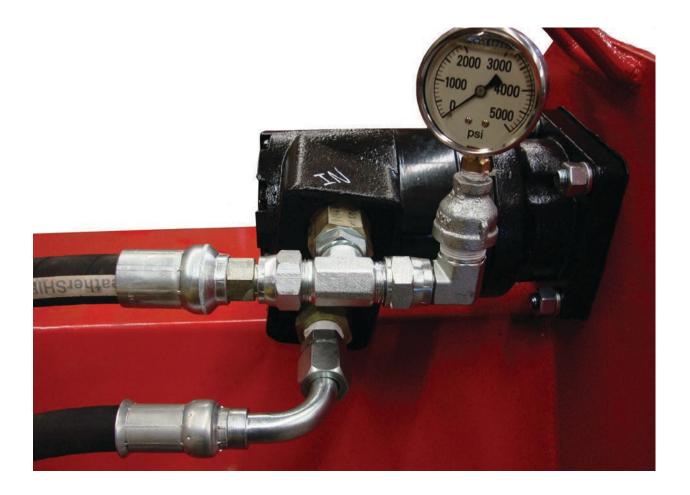




CASE DRAIN LINE (ATTACHMENT TO "801" HYD. MOTOR)

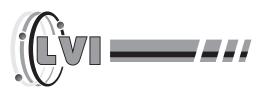
#LT8015 motor assembly

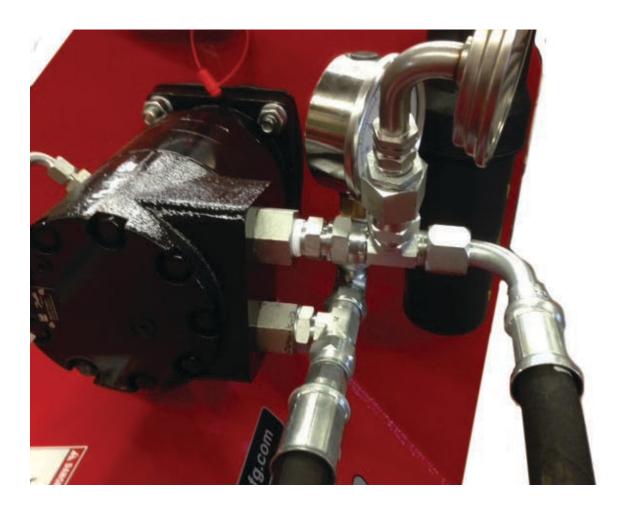




"800" SERIES MOTOR

Pressure inlet port is on top
Return outlet port is on bottom
Oil pressure gauge #LT200108 (red lined at 3,000 psi)





"801" SERIES MOTOR

Oil temperature gauge connects to top port outlet of hyd. motor
Oil pressure gauge connects to bottom port pressure inlet of hyd. motor





"801" SERIES MOTOR

Oil temperature #LT200107 (red lined at 180°)
Oil pressure gauge #LT200108 (red lined at 3,000 psi)



- 1. This warranty will be void if any equipment is deemed by LVI to have been used for purposes other than that for which it is intended or if it has been misused, neglected, damaged, let out for hire or furnished for rental. Claims will not be accepted if parts other than those manufactured or supplied by LVI have been used on any LVI equipment. Further, LVI will not be responsible for damage incurred in transit or handling and under no circumstances within or without the warranty period will LVI be liable for damage claims due to downtime or inability to use the machine.
- 2. LVI will not be held responsible for loss of livestock, poultry, pets or any expense or costs incurred for labor, supplies, substitute machinery rental for any other reason, or for injuries either to the owner or to a third party. LVI is not responsible for labor charges, other than those originally agreed upon which are incidentally incurred in the removal or replacement of components on LVI product.
- 3. The Customer will be responsible for and bear the cost of:
 - a. Maintenance such as greasing, maintenance of oil levels, minor adjustments, timely replacement of wear items.
 - b. Transportation of any LVI 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 workshop for repair.
 - d. Dealer travel costs.
- 4. Normal wearing items, (i.e. cutting edge, skid shoes, etc.) are not covered under this warranty.
- 5. This warranty will not apply to any product that is altered or modified without the express written permission of LVI. Warranty repairs must be authorized by LVI or LVI-approved dealers.



- 6. This warranty may not be assigned or transferred to anyone.
- 7. Signing this form indicates that I have read and understand the owners manual and am capable of operating the machine in a safe and responsible manner.

Customer Name:	
Dealer Name:	
Address:	
City/State/Zip:	
	_Cell:
Machine Model:	_ Machine Serial:
Delivery Date:	_ Sales Person:
Customer Signature:	



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	Calle
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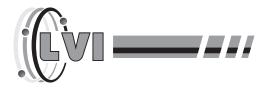


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 - d. Dealer travel costs.
- 4. Normal wearing items, (i.e. cutting edge, skid shoes, etc.) are not covered under this warranty.
- 5. This warranty will not apply to any product that is altered or modified without the express written permission of LVI. Warranty repairs must be authorized by LVI or LVI-approved dealers.



- 6. This warranty may not be assigned or transferred to anyone.
- 7. Signing this form indicates that I have read and understand the owners manual and am capable of operating the machine in a safe and responsible manner.

Customer Name:	
City/State/Zip:	
	Cell:
Machine Model:	_ Machine Serial:
Delivery Date:	_ Sales Person:
Customer Signature:	