



## **LX PUMP ASSEMBLY**

#### **DISASSEMBLY OF LX PUMP**





To disassemble pump, first remove nuts (12) where indicated around entire perimeter of pump housing.

#### **DISASSEMBLY OF LX PUMP**





After (12) nuts are removed, entire rotating assembly may be pulled out of volute as shown above, using the push bolt holes as necessary.

**Note:** Due to cement build up between Volute and pump housing it is sometimes difficult to remove rotating assembly.

#### **DISASSEMBLY OF LX PUMP**

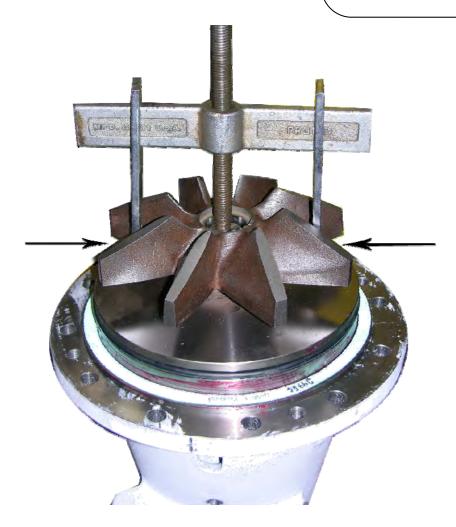




Remove Impeller retaining bolt.

#### **DISASSEMBLY OF LX PUMP**





Use puller to remove impeller from shaft.

## **DISASSEMBLY OF LX PUMP**

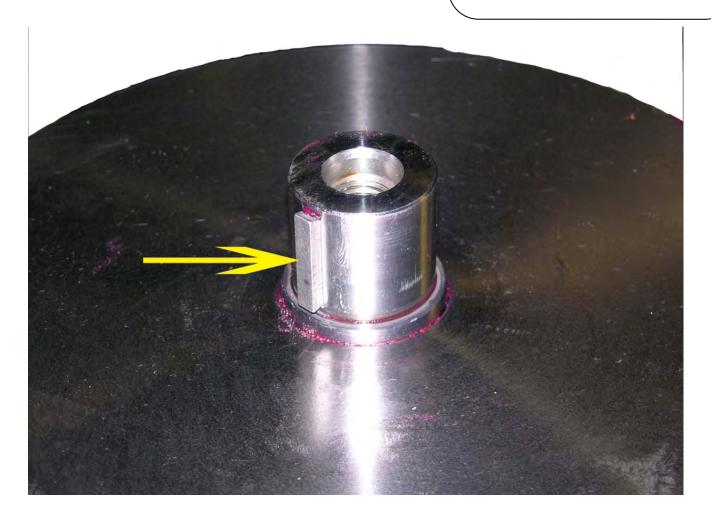




Remove pipe nipple from stuffing box.

#### **DISASSEMBLY OF LX PUMP**





After Impeller and pipe nipple are removed, remove Impeller key from shaft with proper tool being careful not to damage shaft.

**Note:** This key is specific finish tolerances. Check for burrs, wear, nonconformance to shaft keyway. Replace if needed.

#### **DISASSEMBLY OF LX PUMP**

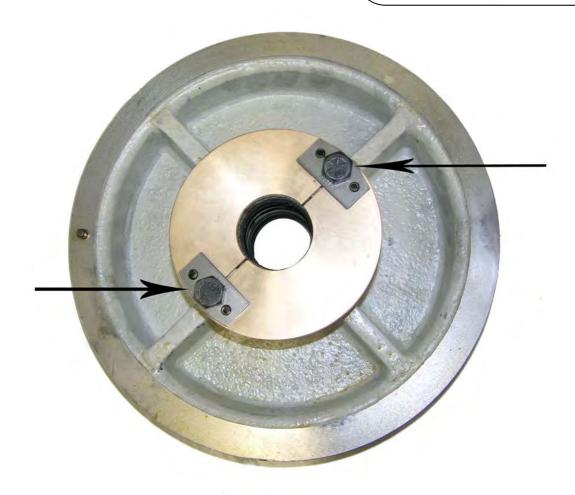




Remove back head.

#### **DISASSEMBLY OF LX PUMP**





Remove two bolts from Packing Gland.

#### **DISASSEMBLY OF LX PUMP**





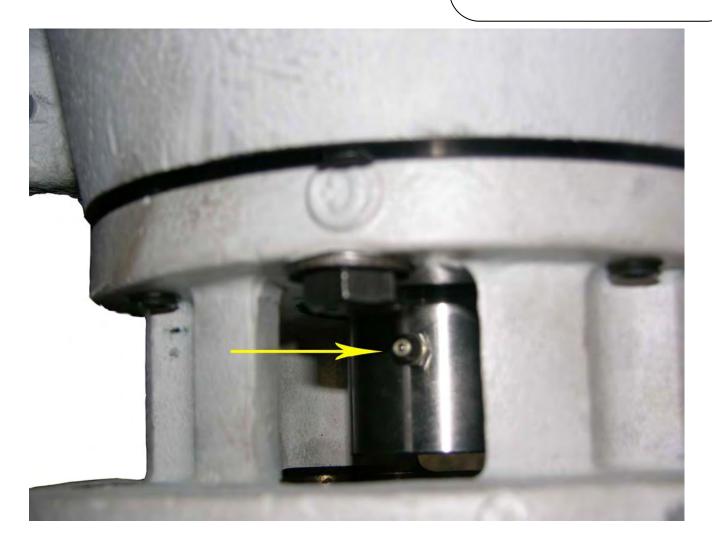
Remove packing gland (follower). This will give access to seals and lantern gland which may be removed from stuffing box at this time.

Check all parts for wear.

Caution: Take care when removing seals to prevent damage to seals and lantern gland.

#### **DISASSEMBLY OF LX PUMP**





Before proceeding further with disassembly, remove this grease fitting.

## **DISASSEMBLY OF LX PUMP**





Remove Slinger locking screw.

#### **DISASSEMBLY OF LX PUMP**





Remove slinger.

#### **DISASSEMBLY OF LX PUMP**





Remove these bolts (4).

Pick pump up and bump Impeller end of shaft against a heavy block of wood. This will remove shaft, bearings, and rear bearing retainer as an assembly.

#### DISASSEMBLY OF LX PUMP





Rear bearing retainer, shaft and both bearings should slip out of the pump housing as an assembly. If the front bearing becomes disengaged from shaft and remains in the housing, it may be removed with the proper tooling.

#### **DISASSEMBLY OF LX PUMP**





Remove internal snap ring from rear bearing retainer.

#### **DISASSEMBLY OF LX PUMP**





Remove shaft and bearing(s) from rear bearing retainer.

#### DISASSEMBLY OF LX PUMP





Remove nut and lock from rear of shaft. Bearing may be pressed off at this time.

#### **DISASSEMBLY OF LX PUMP**



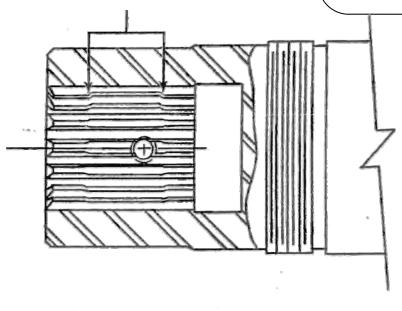


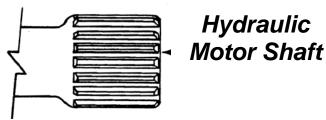
Remove rear seal.

#### DISASSEMBLY OF LX PUMP

Check this area inside shaft for wear.







Severe wear may occur to pump shaft at a point where splines of hydraulic motor contact shaft splines. Since it may not be possible to see this wear from the outside of shaft, the internal splines in shaft should be cleaned thoroughly with solvent and then inspected under a strong light. If the wear in this area exceeds .030, shaft should be discarded and no attempt to reuse or repair should be made.

When splines become worn beyond the .030 limit, it becomes difficult and sometimes impossible to disengage hydraulic motor from pump shaft. If this occurs, the only solution is to cut motor shaft or splined end of pump shaft off with a torch.

#### **ASSEMBLY OF LX PUMP**



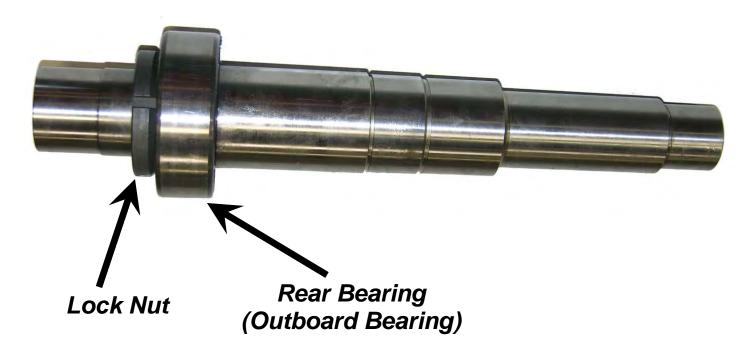


Reassembly of pump should begin with the replacement of seal in rear bearing cover. Seal lip should face to the rear of housing away from rear bearing. This prevents any foreign material from entering rear bearing assembly.



#### ASSEMBLY OF LX PUMP





Install rear bearing and lock nut.



#### **ASSEMBLY OF LX PUMP**





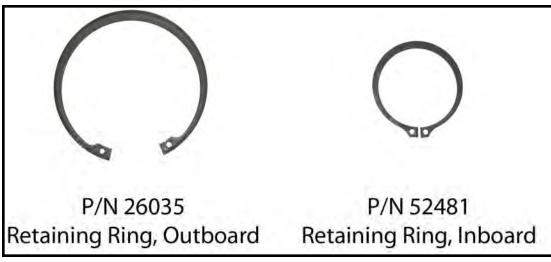
Insert the shaft and rear bearing into bearing cover.

#### ASSEMBLY OF LX PUMP





Install front
(inboard) bearing
snap ring.
Install rear
(outboard)
bearing retaining
ring.



#### **ASSEMBLY OF LX PUMP**





Install front (inboard) bearing.



#### ASSEMBLY OF LX PUMP





When shaft, bearings and rear bearing cover have been assembled, stand this assembly upright and install pump housing.



#### ASSEMBLY OF LX PUMP





Bolt rear bearing cover to pump housing, but do not tighten bolts (qty. 4, P/N 17519) at this time.

#### ASSEMBLY OF LX PUMP



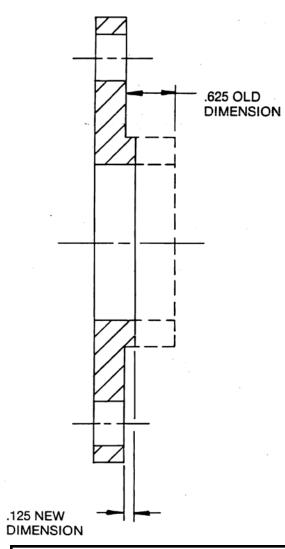


Install slinger but do not tighten lock screw at this time.

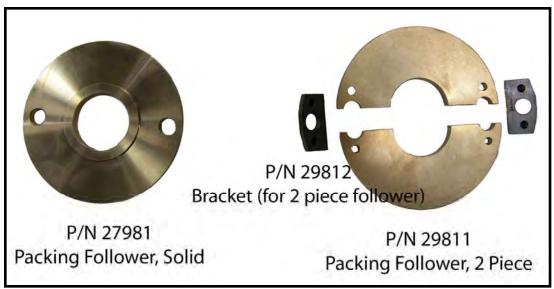


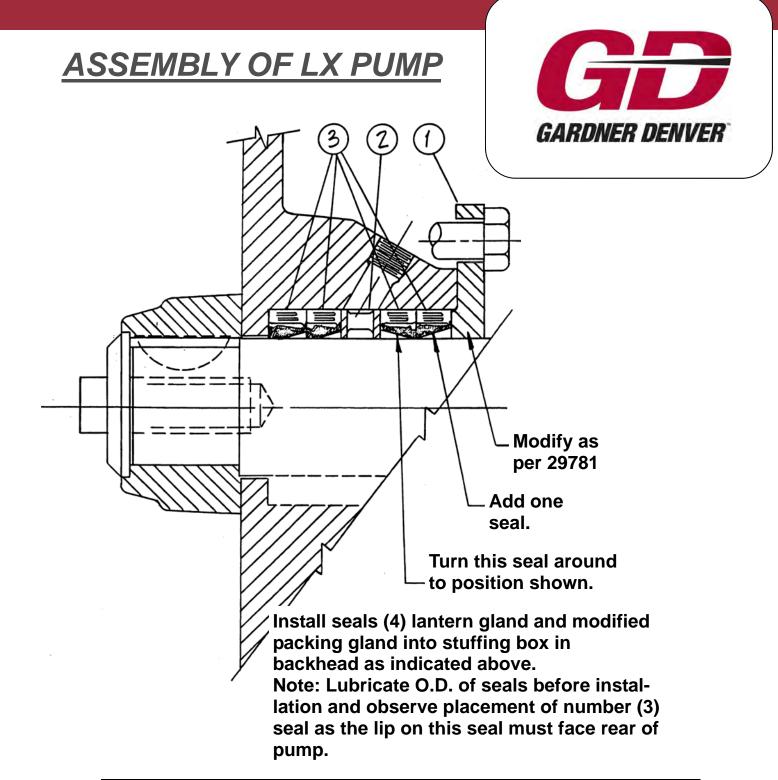
#### ASSEMBLY OF LX PUMP





ANY PUMP THAT IS
PACKED WITH THREE
SEALS AND HAS THE
PACKING GLAND (follower)
WITH THE .625
DIMENSIONS INDICATED
BY DOTTED LINES (LEFT)
SHOULD BE MODIFIED TO
THE .125 DIMENSION AND
A 4<sup>TH</sup> SEAL ADDED AS
SHOWN ON PAGE 30.

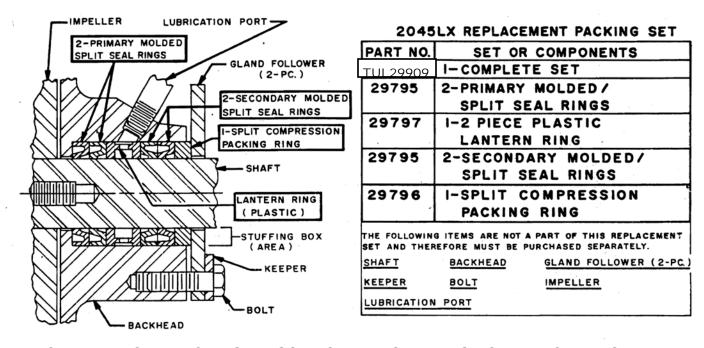




Item	Req'd	Part. No.	Description
1	1	29781	Gland, Packing Modified
2	1	29782	Gland, Lantern
3	4	5826	Oil Seal, Solid Packing

# TYPICAL INSTALLATION OF CENTRIFUGAL PUMP PACKING

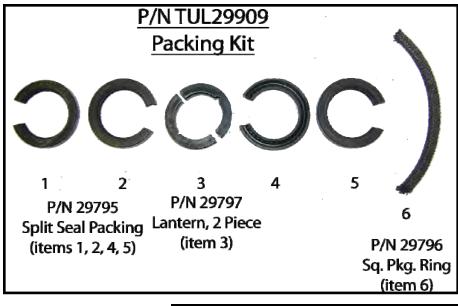


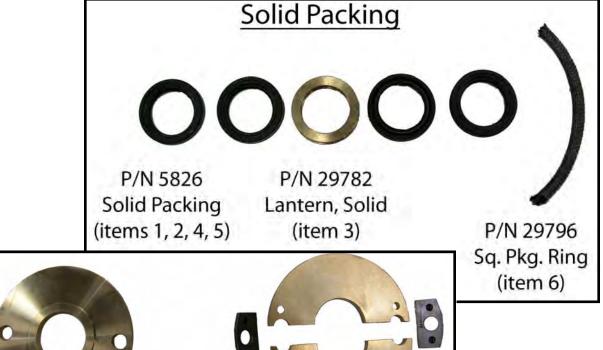


- I. REMOVE ALL WORN PACKING RINGS FROM THE STUFFING BOX AND CLEAN SAME THROUGHLY.
- CHECK ALL BEARINGS PER THE MANUFACTURERS SPECIFICATIONS AND REPLACE SAME IF NECESSARY. CHECK THE SHAFT AND REPLACE IF NECESSARY.
- 3. LUBRICATE THE 2 PRIMARY SEAL RINGS. INSTALL AND SEAT EACH SEAL RING SEPARATELY, WITH ALL SEAL LIPS <u>FACING TOWARD THE IMPELLER</u> / STAGGERING THE SPLITS AT THE 12 O'CLOCK AND THE 3 O'CLOCK POSITIONS SO THAT THERE IS NO DIRECT LEAKAGE PATH ESTABLISHED.
- LUBRICATE AND INSTALL THE 2 PIECE PLASTIC LANTERN RING.
- 5. LUBRICATE THE 2 SECONDARY SEAL RINGS. INSTALL AND SEAT EACH SEAL RING SEPARATELY AND AGAIN STAGGERING THE SPLITS AS FOLLOWS:
  - (a) THE 1<sup>ST</sup> SECONDARY SEAL RING OF THIS SERIES MUST BE INSTALLED WITH THE LIPS FACING <u>AWAY FROM THE IMPELLER</u> WITH SPLITS AT THE 6 O'CLOCK POSITION. THE REVERSE POSITION OF THIS SEAL WILL PREVENT AIR FROM BEING DRAWN THRU THE GLAND, AND THUS CAUSING THE LOSS OF PRIME.
  - **(b)** THE 2<sup>ND</sup> SECONDARY SEAL RING OF THIS SERIES MUST BE INSTALLED WITH THE SEAL LIPS FACING THE IMPELLER, AND WITH THE SPLIT AT THE 9 O'CLOCK POSITION.
- 7. LUBRICATE, INSTALL AND SEAT THE SPLIT COMPRESSION PACKING RING WITH THE SPLIT AT THE 12 O'CLOCK POSITION.
- **8.** TO PROPERLY PRELOAD THIS COMBINATION SET, BOTTOM OUT THE <u>FLAT SIDE</u> OF THE GLAND AGAINST THE FACE OF THE STUFFING BOX.

#### ASSEMBLY OF LX PUMP







P/N 29811

Packing Follower, 2 Piece

P/N 29812 Bracket (for 2 piece follower)

P/N 27981

Packing Follower, Solid

#### ASSEMBLY OF LX PUMP



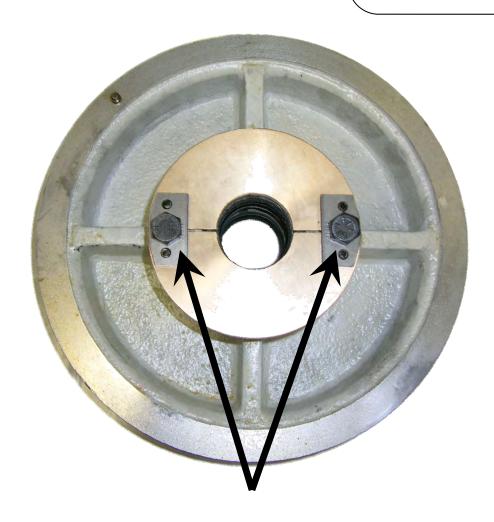


P/N 26081 Backhead

Install Packing in stuffing box area of backhead as directed on page 31.

#### ASSEMBLY OF LX PUMP





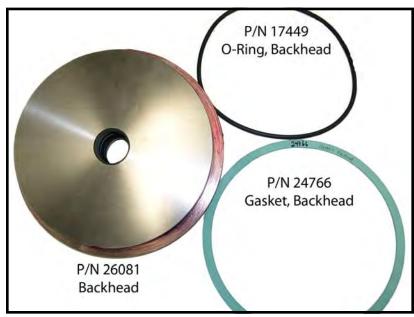
Install Packing Gland (Follower).
Install Packing gland bolts and tighten to 60 Nm ± 10
A light coating of chassis lube should be applied to the I.D. of seal assembly at this time.

#### **ASSEMBLY OF LX PUMP**





Cover the seal area of the shaft with a light coating of chassis lube and install backhead gasket and O-ring.



### ASSEMBLY OF LX PUMP



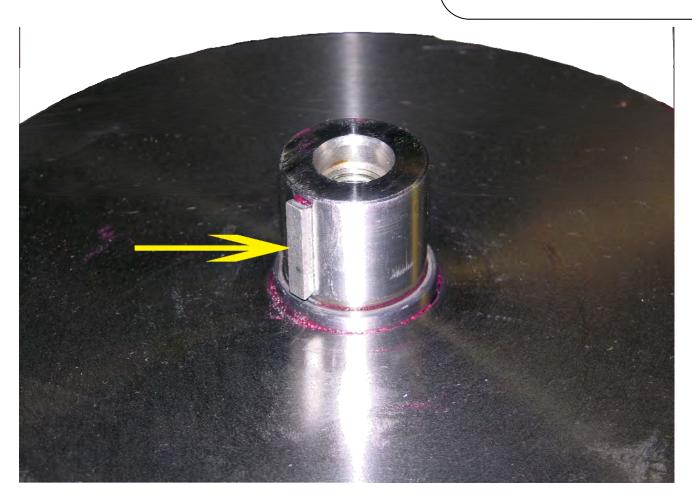


Install backhead assembly as shown above using guide pin for proper alignment.

**Caution:** Be extremely careful when the #3 seal contacts shaft as the lip on this seal points in the opposite direction of the other three (3) seals. and serious damage can result to seal lip or compression spring may become disengaged.

### ASSEMBLY OF LX PUMP





Install Impeller Key at this time. **Caution:** This Key is special and a standard Woodruff Key will not fit.



### ASSEMBLY OF LX PUMP





Install Impeller over shaft and key, being very careful that key does not become disengaged from shaft.



### ASSEMBLY OF LX PUMP





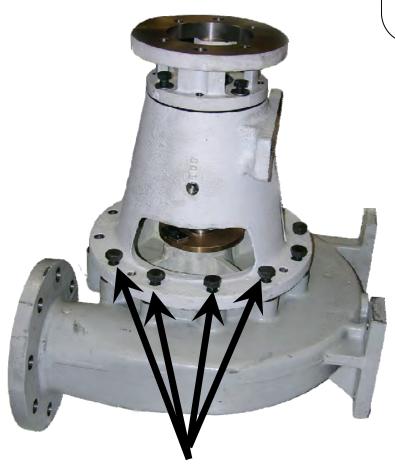
Install impeller lock and bolt as shown above and torque bolt to: 200 ± 15 lb. ft./280 ± 20 Nm Install set screw as shown above.





### ASSEMBLY OF LX PUMP





Entire rotating assembly may now be inserted into volute.
Use mounting pedestals for proper alignment.
Install housing nuts and torque to 150 ± 20 lb. ft.l200 ± 25 Nm.



### **ASSEMBLY OF LX PUMP**



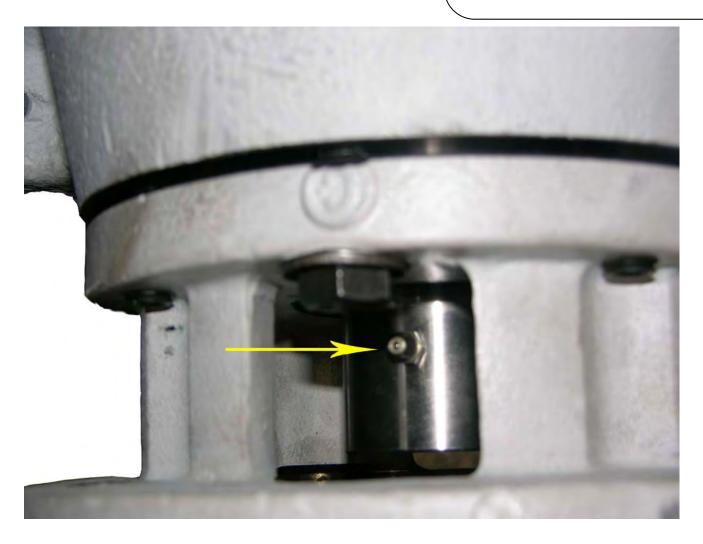


Screw Lube pipe with cap into backhead.



### ASSEMBLY OF LX PUMP





Install grease zerk (P/N 17516).

#### **IMPORTANT!!!**

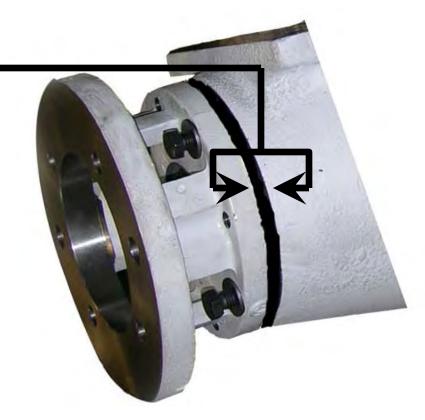
## THIS PROCEDURE MUST BE DONE FOR PUMP TO OPERATE TO DESIGN.



For proper pump performance and long life, it is extremely important that these adjustments be made with care as this will assure the proper .030 clearance between the Impeller and Volute.

#### **Measure this distance**

Turn all adjusting screws
counter clockwise until they are
flush with front face of rear
bearing retainer housing. Drive
bearing retainer forward until
Impeller contacts Volute. Turn
adjusting screws clockwise until
they contact pump housing.
Turn each adjusting screw 1/4
turn. Continue in this manner
until the initial distance
plus .030 is reached. Torque
retainer bolts to:
75 ± 10 lb. ft. / 100 ± 15 Nm



Re-measure distance between pump housing and rear bearing retainer as it sometimes will change when retainer bolts are torqued.

Some early pumps will have two (2) adjusting screws and two (2) retainer bolts while later models may have four (4) adjusting screws and four (4) retainer bolts. This does not affect adjusting procedure.

### ASSEMBLY OF LX PUMP





After pump has been installed and adjusted, adjust slinger toward rear of pump until it contacts front bearing and tighten lock screw.



After pump has been overhauled remove pipe plug in bottom of pump housing and install grease fitting. Remove pipe plug on side of housing. Pump NGL-1 or NGL-2 chassis lube into housing until it starts to come out of hole in side of housing where pipe plug was removed. While grease is being pumped into housing, pump should be turning as this will distribute lube to bearing and prevent over filling.

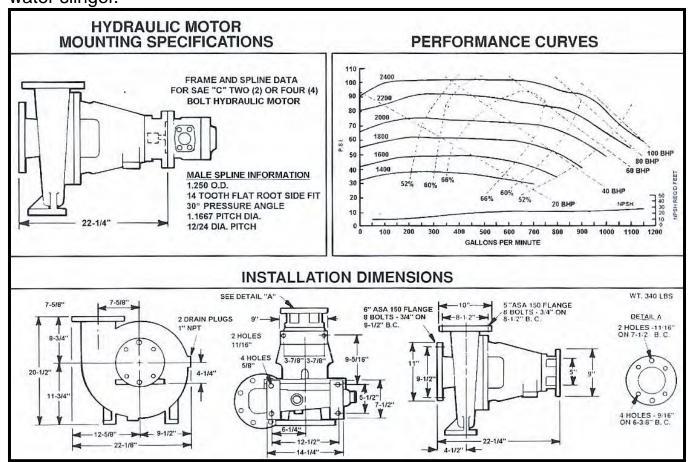
### GARDNER DENVER DESIGN FEATURES GIVE LONG LIFE & EASY MAINTENANCE.

 The 2045 LX features two flow dividers resulting in three throats positioned 120 degrees apart which allows for a balance of thrust and forces and low radial loads, shortened flow path, development of full pressure at 1/3 revolution of impeller,

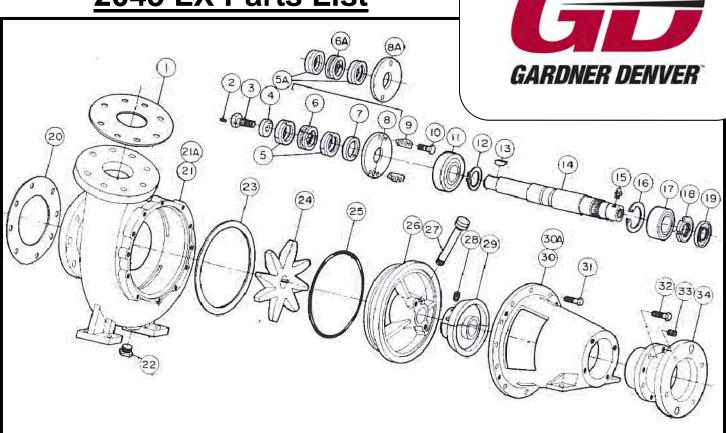


distribution of wear at three points, prevention of air entrapment and vapor lock, reduction of shear and improvement of viscosity handling characteristics.

- The GD 2045 LX drive system has a mounting adapter bracket predrilled to accept a
  direct drive SAE "C" two, or four bolt hydraulic motor, and in conjunction with our
  internal splined shaft eliminates down time due to misalignment.
- Simplistic construction requires less assembly time and less spare parts inventory.
- The impeller design is fully open and ideally suited for handling fluids containing suspended solids. Impeller is available in an 8-vane pattern with a clockwise rotation.
- The frame is available in two versions, economical cast iron and steel fabricated.
- The GD 2045 LX offers two packing choices. Solid lip seals provide efficient service
  with a minimum amount of attention. Split compression type packing is available for
  more severe service conditions and can easily be replaced without dismantling the
  pump.
- Bearings provide maximum radial and thrust load capacity and are protected by a water slinger.



### **2045 LX Parts List**



Ref	Name of Part	04	Part No.	Ref No.	Name of Dord	04	Don't No.
NO.	Name of Part	Qty.	Part No.	NO.	Name of Part	Qty.	Part No.
1	GASKET DISCHARGE	1	35193	18	BEARING LOCK NUT	1	61117
2	SET SCREW	1	28775	19	OIL SEAL, OUTBOARD	1	62961
3	IMPELLER BOLT (Hex Design)	1	56102	20	GASKET SUCTION	1	35264
4	IMPELLER LOCK WITH ROLL PIN	1	56103	21	VOLUTE	1	5620LR
5	SPLIT LIP SEAL PACKING RING	4	29795	21A*	MODIFIED VOLUTE/NO PED- ESTALS WITH EX DRAIN	1	5620LR-SP
5A	OIL SEAL SOLID PACKING	3 or 4	5826	22	1" PIPE PLUG	2	17520
6	LANTERN GLAND, 2 PIECE	1	29797	*	1/2" PIPE PLUG	1	16125
6A	LANTERN GLAND, SOLID	1	29782	23	GASKET, BACKHEAD	1	24766
7	SQUARE COMPRESSION PKG. RING	1	29796	24	IMPELLER, 8 VANE	1	74814
8	PACKING FOLLOWER, 2 PIECE	1	TUL29811	25	O-RING BACKHEAD	1	17449
8A	PACKING FOLLOWER, SOLID	1	29781	26	BACKHEAD	1	26081
9	KEEPER	2	29812	27	LUBE PIPE WITH CAP	1	14724
10	HEX BOLT (Pkg. Follower/ Backhead)	2	103284	28	RETAINING SCREW, SLINGER/SHAFT	1	17522
11	BEARING, INBOARD SINGLE ROW	1	TUL52480	29	SLINGER, 2 PIECE	1	29810
12	RETAINING RING, INBOARD	1	52481	30	FRAME, CAST	1	TUL62960
13	IMPELLER KEY	1	26083	31	HEX BOLT, FRAME/VOLUTE	12	17515
14	SHAFT, INTERNAL SPLINED DRIVE	1	61088	32	HEX BOLT, BEARING COVER/FRAME	4	17519
15	GREASE ZERK	1	17516	33	THRUST AJUSTMENT SCREW	4	26029
16	RETAINING RING, OUTBOARD	1	26035	34	BEARING COVER & MOTOR BRACKET	1	26084
17	BEARING, OUTBOARD Double row	1	61116				
				* These items not shown on this assembly drawing.			

#### **GARDNER DENVER PRODUCT WARRANTY**

#### GENERAL PROVISIONS AND LIMITATIONS

Gardner Denver (the "Company") warrants to each original retail purchaser ("Purchaser") of its new products, assemblies or parts from the Company or its authorized distributors that such products are, at the time of delivery to the Purchaser, made with good material and workmanship. No warranty is made with respect to:

- 1. Any product which has been repaired or altered in such a way, in the Company's judgment, as to affect the product adversely.
- Any product which has, in the Company's judgment, been subject to negligence, accident, or improper storage, improper installation, operation or application. (Examples: overpressure, sand-outs, cavitation, corrosion, erosion or degradation).
- Any product which has not been operated or maintained in accordance with the recommendations of the Company.
- Components or accessories manufactured, warranted and serviced by others.
   Any reconditioned or prior owned product.

Claims for items described in (4) above should be submitted directly to the manufacturer.

#### **WARRANTY PERIOD**

The Company's obligation under this warranty is limited to repairing or, at its option, replacing, during normal business hours at an authorized service facility of the Company, any part or assembly which in the Company's judgment proved to have unsatisfactory material or workmanship within the applicable Warranty Period as follows.

Except for the products or components listed below, and subject to the limitations and restrictions set forth in the "Disclaimer" section set forth below, the Warranty Period for all products is 1,250 hours of operation or three (3) months after start-up, not to exceed 120 days after delivery to Purchaser, whichever occurs first. The exceptions are as follows:

- Power end is warranted for twelve (12) months from date of start-up or eighteen (18) months from date of delivery to the Purchaser, whichever occurs first.
- 2. Forged steel fluid cylinders are warranted for materials and workmanship for 6 months from



- the date of installation or 18 months from the date of delivery to the purchaser, which ever occurs first.
- 3. Repairs are warranted for 90 days from the date of delivery, for the workmanship and materials of the new parts installed.
- 4. Weld repaired fluid ends and weld repaired components are not warranted.
- 5. Expendable fluid end parts, including, but not limited to, valves, valve parts, packing, liners and pistons, are not covered by this warranty due to variable abrasive nature of material pumped.

### PRESERVATION ASSEMBLIES DESTINED FOR STORAGE

In order for warranty acceptance any pump assembly not immediately installed or destined to be in storage or in transit for extended periods of time must be prepared for storage as defined in the Company's Long Term Storage Procedure. This includes but is not limited to:

Drain and thoroughly clean inside power end crankcase. Spray rust inhibiting oil on all bearing, machined and inside surfaces of the power end.

Induce clean gear oil into any circulating pump, filter, heat exchanger and piping.

Remove valves, seats and plungers from the fluid end.
Thoroughly clean and dry these parts and all internal surfaces. Coat all cylinder bores, valve covers and reusable expendable parts with rust preventative.

Flush all water, and contaminants from pump, tanks, hoses and spray nozzles. Spray all components with a rust inhibiting oil.

Rotate pump every 30 days to insure bearings are oiled. At the expense of the Purchaser, any product properly preserved must be inspected by an authorized agent of the Company, prior to the Company, granting any extended warranty beyond that stated in this warranty.

#### LABOR TRANSPORTATION AND INSPECTION

The Company will provide labor, by Company representative or authorized service personnel, for repair or replacement of any product or part thereof which in the Company's judgment is proved not to be as warranted.

Labor shall be limited to the amount specified in the Company's labor rate schedule. Labor costs in excess

#### GARDNER DENVER PRODUCT WARRANTY

of the Company rate schedules caused by, but not limited to, location or inaccessibility of the equipment, or labor provided by unauthorized service personnel is not provided for by this warranty.

All costs of transportation of product or parts claimed not to be as warranted and, of repaired or replacement parts to or from such service facility shall be borne by the Purchaser. The Company may require the return of any part claimed not to be as warranted to one of its facilities as designated by the Company, transportation prepaid by the Purchaser, to establish a claim under this warranty.

Replacement parts provided under the terms of this warranty are warranted for the remainder of the Warranty Period of the product upon which installed to the same extent as if such parts were original components.

The Company may request a root cause analysis be performed in-order to identify if a request for warranty claim meets the requirements of this warranty.

#### **DISCLAIMER**

Except as to title, the foregoing warranty is the sole and exclusive warranty of the Company. The Company hereby extends other manufactures' warranty or guaranties, if any given to Company by such manufacturer, but only to the extent the Company is able to enforce such warranty or guaranties. The Company has not authorized any party to make any representation or warranty other than as expressly set forth herein. SELLER HEREBY DISCLAIMS AND EXCLUDES ANY OTHER EXPRESS, IMPLIED OR STATUTORY WARRANTIES, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. COMPANY MAKES NO WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER (EXPRESS, IMPLIED OR STATUTORY). OF LAW OR OTHERWISE, ON ANY EQUIPMENT, COMPONENT PARTS OR ACCESSORIES SOLD HEREUNDER WHICH, ARE NOT MANUFACTURED BY COMPANY.

NOTWITHSTANDING ANYTHING HEREIN TO THE CONTRARY, THE FOREGOING WARRANTY SHALL BE THE SOLE AND EXCLUSIVE REMEDY AVAILABLE TO THE PURCHASER. UNDER NO CIRCUMSTANCES, WHETHER IN CONTRACT, TORT OR OTHERWISE, SHALL THE

COMPANY'S TOTAL LIABILITY ARISING IN



CONNECTION WITH ANY PURCHASE ORDER EXCEED THE AMOUNT OF ANY SALES OR OTHER PROCEEDS RECEIVED PURSUANT THERETO. IN ADDITION, UNDER NO CIRCUMSTANCES, WHETHER IN CONTRACT, TORT OR OTHERWISE, SHALL THE COMPANY BE LIABLE FOR LIQUIDATED, SPECIAL, INDIRECT, INCIDENTAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES, EXPENSES OR COSTS, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR FACILITY DOWNTIME, HOWEVER CAUSED AND EVEN IF THE POTENTIAL OF SUCH DAMAGES WAS DISCLOSED AND/OR KNOWN.

No statement, representation, agreement, or understanding, oral or written, made by any agent, distributor, representative, or employee of the Company which is not contained in this Warranty will be binding upon the Company unless made in writing and executed by an officer of the Company.

This warranty shall not be effective as to any claim which is not presented within 30 days after the date upon which the product is claimed not to have been as warranted. Any action for breach of this warranty must be commenced within one year after the date upon which the cause of action occurred.

Any adjustment made pursuant to this warranty shall not be construed as an admission by the Company that any product was not as warranted.

#### **WARRANTY REQUESTS**

Products to be returned for warranty analysis shall be approved for return in writing by the Company prior to shipment. All requests for product return shall be submitted by email. Facsimile or letter to:

Warranty Department c/o Gardner Denver Petroleum Pumps 4747 South 83<sup>rd</sup> East Avenue Tulsa, Oklahoma 74145

Email: <a href="mailto:ccr.qar@gardnerdenver.com">ccr.qar@gardnerdenver.com</a>

Facsimile: (918) 664-6225

### GARDNER DENVER CENTRIFUGAL PUMP APPLICATIONS



BLENDERS
MIXERS
CIRCULATION
SUPERCHARGING
DESANDING
TRANSFER
WATER FLOOD
DISPOSAL WELLS
WASHDOWN

#### INDUSTRIAL:

SLURRY
DESANDING
MIXING
TRANSFER
FOOD PROCESSING
CHEMICAL PROCESSING
IRRIGATION
MINING

#### OTHER GARDNER DENVER SERVICES

#### **OVERHAUL AND/OR REWORK OF:**

Damaged or worn out frac power frames, fluid ends, crossheads, or pressure headers, mudpumps, centrifugal and slurry pumps and 5- to 8- stage centrifugal pumps, heat exchanger tube bundle welding & refacing, etc. Our specialty – Turn around work.

MISCELLANEOUS MACHINING
MILLING & BORING
TURNING (TO 42" DIA.)
FABRICATION
WELDING
COMPLETE FIXTURE & TOOLING
DEPARTMENT
HYDROSTATIC & DESTRUCTIVE TEST
FACILITY
SHOT PEENING & STRESS RELIEVING
75,000 P.S.I. AUTOFRETTAGE FACILITY



### OTHER GARDNER DENVER PRODUCTS

### HIGH PRESSURE TRIPLEX PUMPS FOR ACIDIZING & FRACTURING

#### **FEATURES:**

- STEEL FABRICATED POWER FRAME
- SOLID ONE-PIECE CONNECTING ROD
- PRECISION GROUND CROSSHEADS
- FORGED ALLOW STEEL CRANKSHAFT
- HIGH-GRADE ALLOY STEEL GEARS
- FOUR MAIN ROLLER BEARINGS
- ORIFICED LUBRICATION SYSTEM
- LIGHTWEIGHT ALUMINUM COVERS
- INTERCHANGEABLE PARTS/STOCK

### HIGH PRESSURE FLUID ENDS FROM SOLID STEEL FORGINGS

#### **FEATURES:**

- UNIFORMITY OF ALL INTERNAL SURFACES
- ALL CORNERS CENEROUSLY REDIUSED
- ALL BORES HAND POLISHED
- SHOT PEENED
- AUTORETTAGE CAPABILITY
- CUSTOM DESIGNS MADE ON CONTRACT, BASED UPON RECEIPT OF SPECIFICATIONS AND DRAWINGS
- STANDARD REPLACEMENT CAN BE PROVIDED FOR MOST PUMPS ON THE MARKET
- SPECIAL MATERIALS AND/OR SPECIFIC MODIFICATIONS MAY BE INCORPORATED INTO MOST STANDARD DESIGNS.

# MAINTAIN PUMP RELIABILITY AND PERFORMANCE WITH GENUINE GARDNER DENVER PARTS AND SUPPORT SERVICES



For the location of your local authorized Gardner Denver distributor, refer to the yellow pages of your phone directory or contact:

Factory (Tulsa): Service Center (Odessa): Service Center (Ft.

Worth):

Gardner Denver Well Chaparral Geoquip

Servicing Pumps 2121 West 44<sup>th</sup> Street 7533 Kathy Lane 4747 South 83<sup>rd</sup> East Ave. Odessa, TX 79768 Ft. Worth, Texas

Tulsa, Oklahoma 74145 76126

Phone: (918) 664-1151 Phone: (432) 366-5433 Phone: (817) 249-6400

(800) 637-8099 (800) 368-1134 (800) 824-0271

Fax: (918) 664-6225 Fax: (432) 363-9940 Fax: (817) 249-6383

Gardner Denver<sup>®</sup> genuine pump parts are manufactured to design tolerances and are developed for optimum dependability. Design and material innovations are the result of years of experience with hundreds of different pump applications. Reliability in materials and quality assurance is incorporated in our genuine replacement parts.

#### **Gardner Denver supports your needs with these services:**

- Large inventory of genuine parts in stock and ready to ship.
- Trained parts specialists to assist you in selecting the correct replacement parts.
- Repair and maintenance kits designed with the necessary parts to simplify servicing your pump.
- Authorized service technicians are factory trained and skilled in pump maintenance and repair. They are ready to respond and assist you by providing fast, expert maintenance and repair services.

#### INSTRUCTIONS FOR ORDERING REPAIR PARTS

- When ordering parts, specify Pump MODEL and SERIAL NUMBER (see nameplate on unit).
- All orders for Parts should be placed with the Tulsa or Ft. Worth facility.
- Specify exactly the number of parts required.



Drilling & Production Pumps Gardner Denver Pump Division 1800 Gardner Expressway Quincy, IL 62301 Phone: 217-222-5400 Fax: 217-223-1581 Drilling & Production After-Market Gardner Denver Pump Division 2200 South Prospect Oklahoma City, OK 73129 Phone: 405-677-5736 Fax: 405-677-5807 Well Service Pumps Gardner Denver Pump Division 4747 South 83rd East Avenue Tulsa, OK 74145 Phone: 918-664-1151 Fax: 918-447-6487

#### **GEOQUIP SERVICE CENTER**

After-Market & Repair Facility Gardner Denver Pump Division 7533 Kathy lane Fort Worth, TX 76126 Phone: 817-249-6400 Fax: 817-249-6383

#### **CHAPARRAL SERVICE CENTER**

After-Market & Repair Facility Gardner Denver Pump Division 2121 West 44th Street Odessa, TX 79764 Phone: 432-366-5433 Fax: 432-363-9940