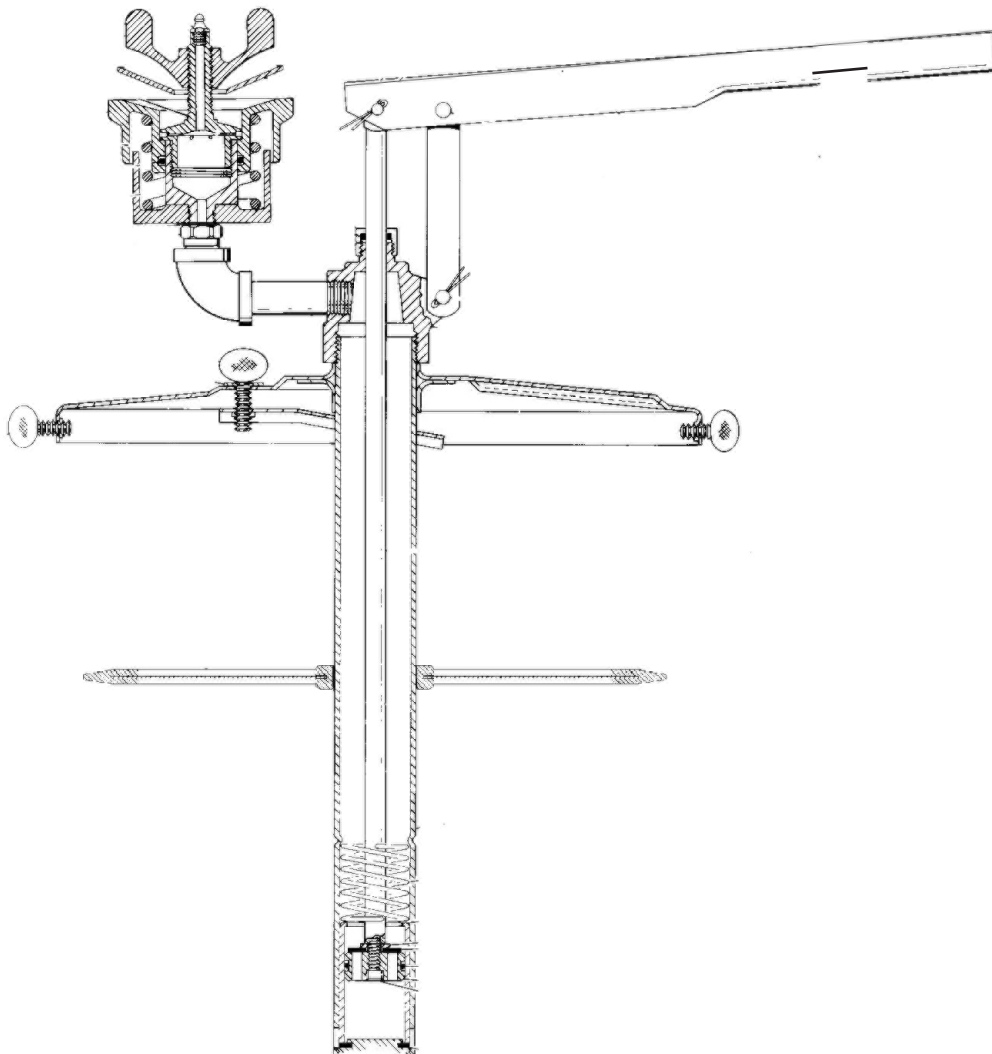


Wheel bearing packer

Model 102697



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Page	3F

⚠ DANGER

Read manual prior to installation or use of this product. Keep manual nearby for future reference. Failure to follow instructions and safety precautions may result in death or serious injury.

Contents

Safety	3
Explanation of signal words for safety	3
Pump assembly.....	4
Lubricant selection	4
Priming	4
Flushing and packing bearing	4
Troubleshooting	4
Lincoln industrial standard warranty	7

Safety

Read and carefully observe these installation instructions before installing, operating or troubleshooting the assembly. The assembly must be installed, maintained and repaired exclusively by persons familiar with the instructions.

Install the assembly only after safety instructions and this guide have been read and are completely understood.

Adequate personal protection must be used to prevent splashing of material on the skin or in the eyes.

Always disconnect power source (electricity, air or hydraulic) from the pump when it is not being used.

This equipment generates very high grease pressure. Extreme caution should be used when operating this equipment as material leaks from loose or ruptured components can inject fluid through the skin and into the body. If any fluid appears to penetrate the skin, seek attention from a doctor immediately.

Do not treat injury as a simple cut. Tell attending doctor exactly what type of fluid was injected.

Any other use not in accordance with instructions will result in loss of claim for warranty or liability.

- Do not misuse, over-pressurize, modify parts, use incompatible chemicals, fluids, or use worn and/or damaged parts.
- Do not exceed the stated maximum working pressure of the pump or of the lowest rated component in your system.
- Always read and follow the fluid manufacturer's recommendations regarding fluid compatibility, and the use of protective clothing and equipment.
- Failure to comply may result in personal injury and/or damage to equipment.

Explanation of signal words for safety



This is the safety alert symbol. It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



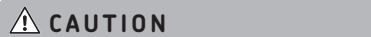
Safety instruction signs indicate specific safety-related instructions or procedures.



Indicates a hazardous situation which if not avoided will result in death or serious injury.



Indicates a hazardous situation which, if not avoided will result in death or serious injury.



Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



Notice

Bearing packer is designed for use with bearings that have a maximum 3 1/4 in. outer diameter x 5/8 in. to 1 1/2 in. inner diameter and with 25 lb. (11 kg) or 35 lb. (15 kg) container.

Pump assembly

- 1 Assemble the elbow (30) to the nipple (39) and screw into the outlet casting (11). Assemble the wheel bearing packer to the elbow.
- 2 Attach the handle and toggle assembly (9) to the piston rod (12) with the handle pin (8) and a cotter pin (7). Attach the handle toggle to the pump outlet casting using the toggle pin (10) and a cotter pin (7).
- 3 Hold the handle in the "down" position. Spring (15) must be compressed.
- 4 Remove the plug (22). Slide the drum cover assembly (26) onto the pump tube. Attach the clamp (25) to the drum cover assembly using the thumb screw (29) and washer.(28) Do not tighten thumb screw, the pump tube should slide freely through clamp and drum cover.
- 5 Slide the follower assembly (24) onto the pump tube.
- 6 With handle remaining in the down position, insert the plug (22) into the pump tube and hand tighten.
- 7 Assemble the three thumb screws (27) into the drum cover rim.
- 8 Remove lubricant container cover, push pump tube a short distance into lubricant at center of the container and guide the follower assembly(24) into the container. Position the drum cover over the rim of the lubricant container and secure with the three thumb screws.
- 9 Push pump tube down through the drum cover until pump rests on lubricant container bottom. Secure the pump by tightening the thumb screw (29) on top of the drum cover.

or less at 70 °F (21 °C) to an extreme condition of NLGI #5 grease at 20° F (-7 °C).

A slight pause should be allowed at the end of the downstroke of the handle to allow the grease to flow into the pump tube.

In extreme conditions (NLGI #5 grease at 20 °F (-7 °C)) the handle should remain at the end of the downstroke for approximately 5 seconds.

Priming

Pump tube must be filled completely with lubricant.

- 1 Unscrew wheel bearing packer from the elbow (30).
- 2 Operate handle until lubricant flows from elbow.
- 3 If pump will not prime, pour approximately two ounces of clean light-weight oil into the outlet pipe.
- 4 Operate handle.

Flushing and packing bearing

Pump tube must be filled completely with lubricant.

- 1 Turn the wing knob (4) until the head casting (2) is completely depressed and bearing is held tight.
- 2 Operate handle (9) until clean grease appears on handle.



Notice

If lubricant leaks between piston rod (12) and gland nut (36), packing (37) is worn. Remove and replace.

Multi-purpose grease used for chassis lubrication is also used for wheel bearing packer.

Troubleshooting

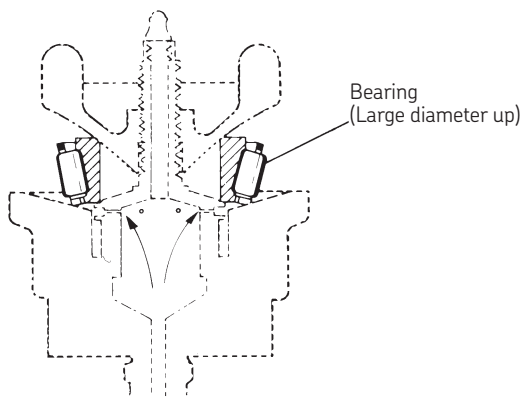
Pump loses prime or volume decreases

- 1 Check for empty lubricant container.
- 2 Dirt or foreign particles may be lodged in slide valve (16), clean thoroughly.
- 3 O-ring (19) may be worn, remove and replace.
- 4 Dirt or foreign particles may be lodged in the piston (20) and check (18), clean thoroughly.

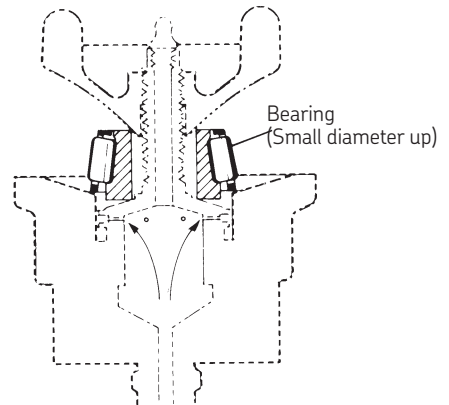
Lubricant selection

Model 102697 wheel bearing packer will prime easily and pump efficiently when using heavy grease at low temperatures: from a normal condition of NLGI #2 grease

Applications for roller bearings

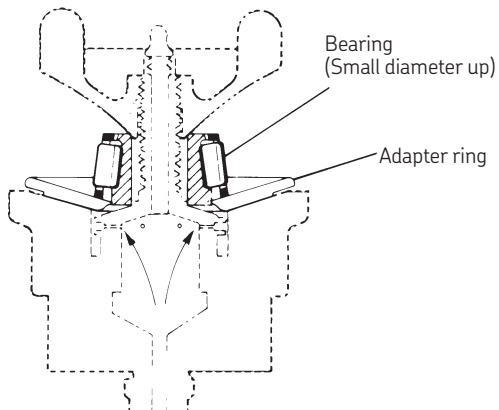


Position of bearings have inside diameters larger than $\frac{7}{8}$ in. (22 mm) and up to $1\frac{1}{2}$ in. (38 mm) diameter.

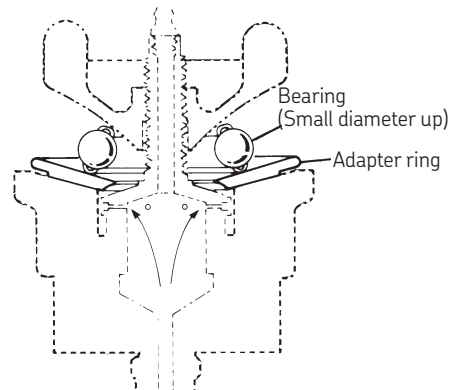


Position of bearings having inside diameters larger than $\frac{5}{8}$ in. (16 mm) and up to $\frac{7}{8}$ in. (22 mm) diameter.

Application for ball bearings

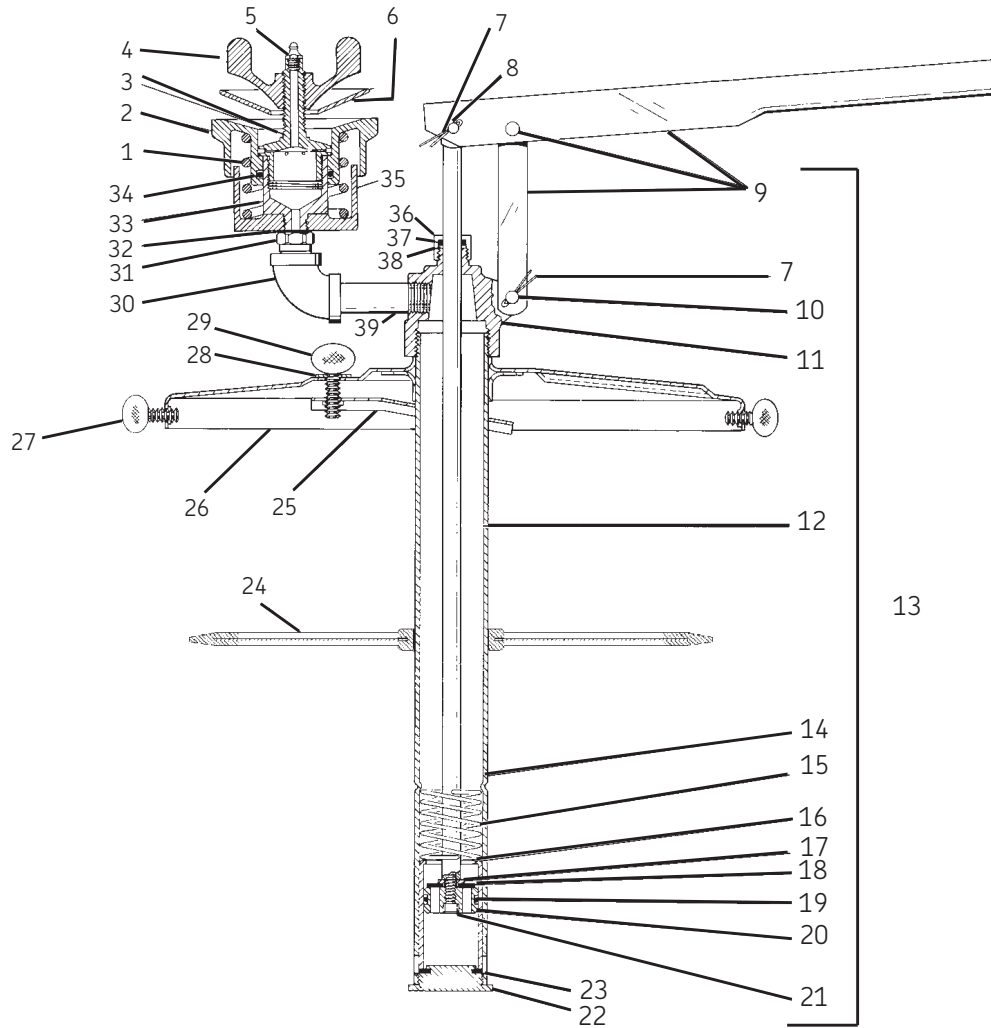


Use 41167 adapter ring with $\frac{5}{8}$ in. (16 mm) inside diameter bearing.



Use 41167 adapter ring as shown with ball type bearing.

Service parts



Item no.	Description	Part no.	Item no.	Description	Part no.
1	Spring	55171	21	Screw	50720
2	Head casting	41164	22	Plug	16313
3	Locating stud	12115	23	Gasket	34754
4	Wing knob	41165	24	Follower	275183
5	Fitting	5527	25	Clamp	45812
6	Adapter ring	41167	26	Drum cover	91383
7	Cotter pin	68402	27	Thumb screw	66130
8	Handle pin	13122	28	Washer	48051
9	Handle and toggle	248225	29	Thumb screw	50702
10	Toggle pin	13116	30	Elbow	67078
11	Outlet casting	41225	31	Adapter	11839
12	Piston rod	16312	32	Gasket	31038
13	Pump	248163	33	Sleeve	14009
14	Pump tube	61588	33	Sleeve	14009
15	Spring	55404	34	O-ring	34262
16	Slide valve	61589	35	Body casting	40521
17	Retainer	16311	36	Gland nut	13115
18	Check	34753	37	Gland packing	34281
19	O-ring	34230	38	Washer	48461
20	Piston	16314	39	Nipple	67042

Lincoln industrial standard warranty

Standard limited warranty

Lincoln warrants the equipment manufactured and supplied by Lincoln to be free from defects in material and workmanship for a period of one (1) year following the date of purchase, excluding there from any special, extended, or limited warranty published by Lincoln. If equipment is determined to be defective during this warranty period, it will be repaired or replaced, within Lincoln's sole discretion, without charge.

This warranty is conditioned upon the determination of a Lincoln authorized representative that the equipment is defective. To obtain repair or replacement, you must ship the equipment, transportation charges prepaid, with proof of purchase to a Lincoln Authorized Warranty and Service Center within the warranty period.

This warranty is extended to the original retail purchaser only. This warranty does not apply to equipment damaged from accident, overload, abuse, misuse, negligence, faulty installation or abrasive or corrosive material, equipment that has been altered, or equipment repaired by anyone not authorized by Lincoln. This warranty applies only to equipment installed, operated and maintained in strict accordance with the written specifications and recommendations provided by Lincoln or its authorized field personnel.

This warranty is exclusive and is in lieu of any other warranties, express or implied, including, but not limited to, the warranty of merchantability or warranty of fitness for a particular purpose. Warranty on items sold by Lincoln, but not manufactured by Lincoln are subject to the warranty consideration, if any, of their manufacturer (such as hoses, hydraulic and electric motors, electrical controllers, etc.) Assistance in making such warranty claims can be offered as required.

In no event shall Lincoln be liable for incidental or consequential damages. Lincoln's liability for any claim for loss or damages arising out of the sale, resale or use of any Lincoln equipment shall in no event exceed the purchase price. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, therefore the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights. You may also have other rights that vary by jurisdiction.

Customers not located in the Western Hemisphere or East Asia: Please contact Lincoln GmbH and Co. Kg, Walldorf, Germany, for your warranty rights.

Special limited warranties

Special limited 2 year warranty SL-V series, single injectors – 85772, 85782, and replacement injectors – 85771, 85781

Lincoln warrants the SL-V Injector series to be free from defects in material and workmanship for two (2) years following the date of purchase. If an injector model (single or replacement) is determined to be defective by Lincoln, in its sole discretion, during this warranty period, it will be repaired or replaced, at Lincoln's discretion, without charge.

Special limited 5 year warranty series 20, 25, 40 bare pumps, pmv bare pumps, heavy duty and 94000 series bare reels

Lincoln warrants series 20, 25, 40 bare pumps, PMV bare pumps, heavy duty (82206), mini bench (81133, 81323), and all 94000 LFR series (single arm and dual arm) bare reels to be free from defects in material and workmanship for five (5) years following the date of purchase. If equipment is determined by Lincoln, in its sole discretion, to be defective during the first year of the warranty period, it will be repaired or replaced at Lincoln's discretion, without charge. In years two (2) and three (3), the warranty on this equipment is limited to repair with Lincoln paying parts and labor only. In years four (4) and five (5), the warranty on this equipment is limited to repair with Lincoln paying for parts only.

Special limited 5 year warranty limited oil meters, limited fluid control valves, aod (air-operated diaphragm pumps)

Lincoln warrants the 712 series control valves, 912 series lube meters, electronic lube meters (980, 981, 982 series), our universal inline digital meters (812/813 series), and our AOD pump offering to be free from defects in material and workmanship for five (5) years following the date of purchase. If either is determined to be defective by Lincoln, in its sole discretion, during the warranty period, they will be repaired or replaced, at Lincoln's discretion, without charge.

Special DEF (diesel exhaust fluid) limited warranty

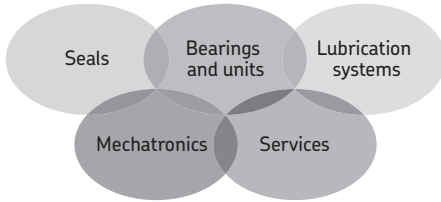
DEF products are warranted to be free from defects in material and workmanship for a period of one (1) year following the date of purchase. The following exceptions to the standard warranty period are in effect:

- **85700-30/85700-50 DEF hose reels (bare reel only),** 277251/277252 AC DEF pumps, and 277256 and 277257 DEF meters are warranted for two (2) years from date of purchase.
- **85623 DEF AOD (air operated diaphragm) pumps** are covered under the standard five (5) year AOD pump warranty.

If either is determined to be defective by Lincoln, in its sole discretion, during the warranty period, they will be repaired or replaced, at Lincoln's discretion, without charge.

Lincoln Industrial contact information

To find Lincoln Industrial's nearest service center call the following number; customer service 314-679-4200 (international number 01-314-679-4200) or you may also use our website www.lincolnindustrial.com



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