

Lube Master Drive Repair Kit

406686B

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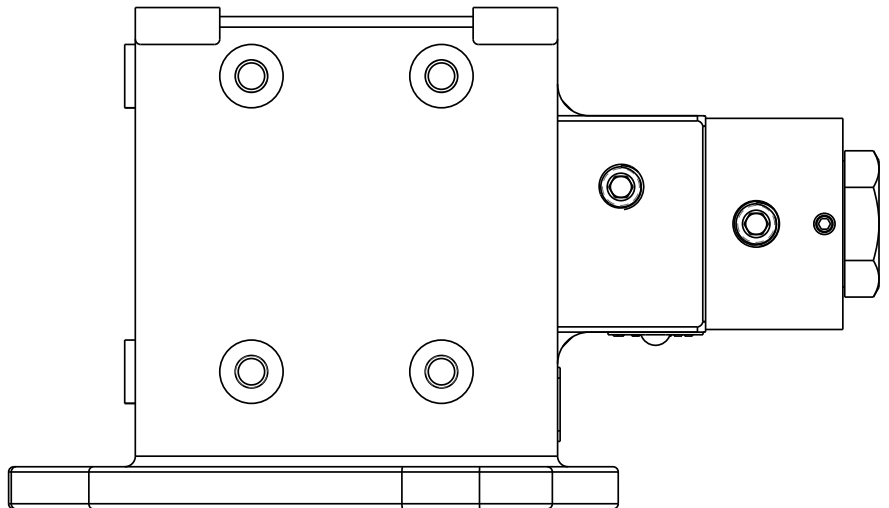
Drive Repair Kit.

Kit No.: 563915



Important Safety Instructions

Read all warnings and instructions in this manual and in the Lube Master instruction manual included with your unit. Save all instructions.



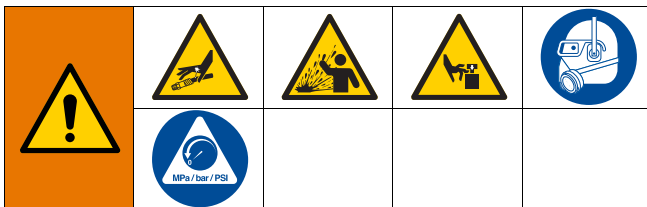
Instructions

- Reference numbers used in the following instructions refer to parts, page 4.
- Numbered items are included in the kit, the alpha characters are provided for reference only and not included in the kit.

Pressure Relief Procedure



Follow the Pressure Relief Procedure whenever you see this symbol.



This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid and moving parts, follow the Pressure Relief Procedure when you stop dispensing and before cleaning, checking, or servicing the equipment.

1. Verify pump is stopped and disconnected from power source.
2. Using a wrench, slowly loosen inlet nut.
3. Then, using a wrench, slowly loosen each port nut.

Disassembly

1. Relieve pressure and disconnect power. See Pressure Relief Procedure.
2. For pumps with oil reservoirs, remove pipe plug (25) and drain oil into a suitable, clean container. Omit this step for pumps with grease reservoirs. Install plug after draining is complete.
3. Remove the reservoir.
4. Remove pump body assembly from its mounting as follows:
 - a. Remove all guards and mechanical linkages or connections at the pump drive shaft (8).

- b. Remove all attaching hardware securing the pump body (A) in place.
- c. Remove all grease or oil from the pump body (A).

5. Remove outer drive key (19). On old-style pumps, removed the outer Woodruff key (D).
6. Remove roll pin (20) and drive pin (6). Tap lightly to avoid possible damage to lube piston.
7. Remove four retaining rings (E) from drive shaft (8).
8. Remove drive end cover screws (23) and slide the end plate (C) over assembly and off of the drive shaft (8).
9. Remove the oil seal (14), washer (26), and ball bearing (1) and spacer (3). Use caution to avoid scratching mating surfaces.
10. Remove o-ring (13) from pump body (A). Use caution to avoid scratching mating surfaces.

If ball bearing (1) remains on drive shaft (8), carefully remove it using a bearing puller before proceeding to the next step.

11. Remove drive shaft (8), yoke (7), eccentric (5) and ball bearing (1) and spacer (2) from pump body (A).

Assembly

Discard all old parts that are being replaced with new parts in the kit.

1. Clean housing with a cloth and lightly oil lube piston.
2. Install ball bearing (1) in pump body (A).
3. Partially insert yoke end of drive shaft (8) into pump body (A).
4. Slide eccentric (5) over the hexagonal part of drive shaft.
5. Install short spacer (2) on yoke end of drive shaft. If reusing old style drive shaft, position Woodruff key (D) in yoke end of drive shaft (8) and partially insert yoke end of shaft into pump body (A).

6. Slide eccentric (5) onto drive shaft over key and install retaining ring (E) in the grooves on either side of the eccentric.

NOTICE

Push piston in output manifold block assembly (B) into the block so that it does not interfere with drive yoke (7) during installation.

7. Slide drive yoke (7) over eccentric and insert the drive shaft (8) into bearing (1) in pump body (A). It may be necessary to tap the drive shaft into bearing using a mallet.
8. Install long spacer (3) over drive end of drive shaft (7). If reusing old-style drive shaft, install remaining two retaining rings (E) on drive shaft (8).

Make sure the letter T stamped on piston is facing up.
(FIG. 1)

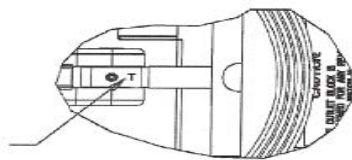


FIG. 1

9. Engage drive yoke (7) with piston in output manifold block assembly (B) and carefully install drive pin (6) and roll pin (20).
10. Install washer (26) and ball bearing (1) in end plate (C).
11. Install oil seal (14) in end plate (C) and o-ring (13) over bearing housing side of end plate. Lubricate oil seal with a light coating of oil prior to installing end plate.

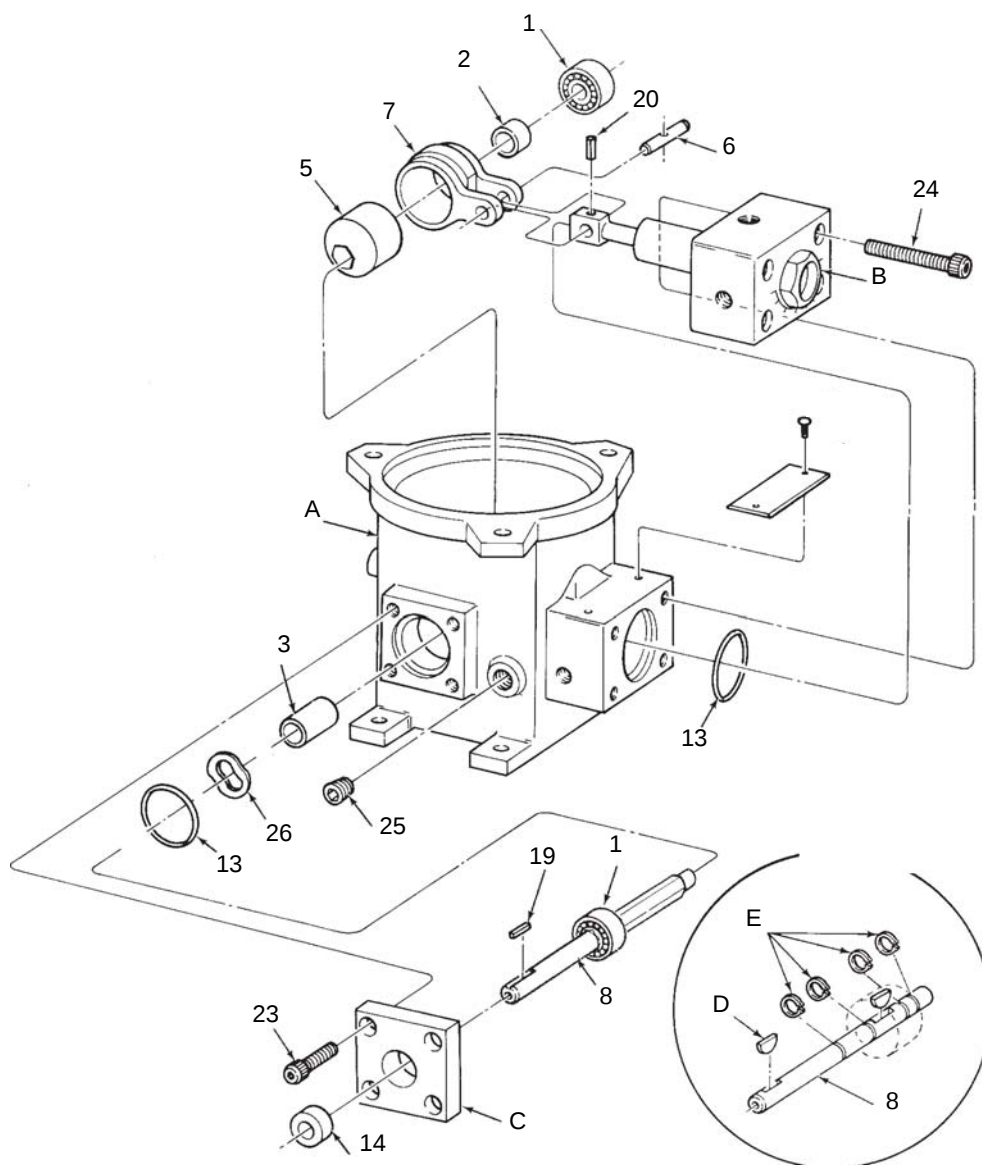
It may be necessary to pre-install the bearing onto the drive shaft using a hollow pusher if the fit is too tight.

12. Install end plate (C) and secure with four screws (23). Tighten screws to a torque of 8 ft-lbs (10.85 N.m)
13. Locate the pump body (A) and assembled parts at the position from which it was removed and secure

with attaching hardware. Make certain all fasteners are tightened to the proper torque.

14. Install all guards and mechanical linkages or connections removed at the pump drive shaft (8).
15. Install the reservoir.
16. Electrically reconnect the pump drive.
17. Make certain that the pipe plug (25), removed to drain oil reservoirs, has been replaced.

Parts



Ref.	Part	Description	Qty.
	563915	KIT, lube master drive repair	
1		BALL, brg 1/2 ID 1.37 OD	1
2		SPACER, 3/4 ID x 11/32 lg	1
3		SPACER, 3/4 ID x 31/32 OD	1
5		CAM, ecc	1
6		PIN, drive	1
7		YOKE, drive mach	1
8		SHAFT, assembly	1
9		BALL, FKM 7 80 duro, 3/8	1
10		O-RING, -014	1
11		O-RING, -022	1
12		O-RING, -024	1
13		O-RING, -133	2
14		SEAL, lip, 1/2 ID 1.00 OD 1/4 W	1

Ref.	Part	Description	Qty.
15		CAP, protective	1
16		RING, back up	1
17		RING, back up	1
18		RING, back up	1
19		KEY, square, 1/8 x 7/8 lg	1
20		PIN, roll, 1/8 dia, 3/4 lg	1
21		SCREW, set 1/4-20 x 3/8 soc cup	1
22		RING, retainer	1
23		SCREW, shcd 5/16-18 x 1/2	4
24		SCREW, soc hd cap, 5/16	4
25		PLUG, dry seal, 1/4 nptf	3
26		WASHER, spr lube master pump	1
27		WASHER, spr output manf	1

Notes

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Graco Information

For the latest information about Graco products, visit www.graco.com.

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Phone: 612-623-6928 or **Toll Free:** 1-800-533-9655, **Fax:** 612-378-3590

*All written and visual data contained in this document reflects the latest product information available at the time of publication.
Graco reserves the right to make changes at any time without notice.*

Original instructions. This manual contains English. MM 406686

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