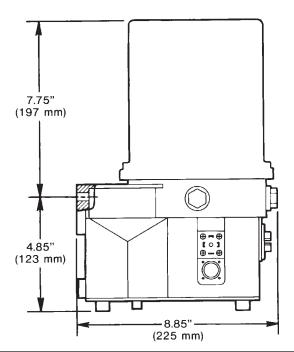


Model 94124 INDUSTRIAL LUBE ELECTRIC GREASE PUMP SERIES "A"

OWNER/OPERATOR MANUAL





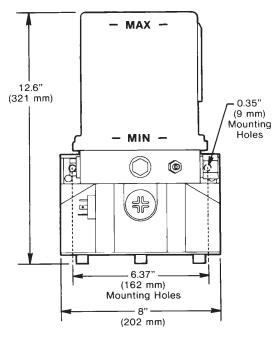
WARNING

Do Not use pump without pressure relief valve.

SPECIFICATIONS

Pressure Relief Valve 4000 psi +/- 250 psi (276 bar) +/- (17 bar)

(depending on the operating



DESCRIPTION

The industrial lube pump is electrically operated and used in a progressive type centralized lubrication system. The pump consists of a pump housing, electric gear motor, a timer and a plastic reservoir with stirring paddle. The high operating pressure allows the pump to supply lubricant up to NLGI 2 grease.

MOUNTING THE PUMP

Select an easily accessible place of installation which allows access to the timer and lubricant reservoir filler fitting. The pump must be mounted vertically on an even surface by means of two bolts.

TOFILL RESERVOIR

Fill the reservoir through the grease fitting located at the base of the reservoir, using a hand operated grease pump. Refill reservoir when grease reaches "MIN" mark located on the reservoir. Fill the reservoir up to the "MAX" mark located on the reservoir.

TO PRIME SYSTEM

Pump & Supply Line: After reservoir has been filled with recommended lubricant, loosen the supply line fitting. Operate the pump until lubricant flows from outlet, then tighten fitting.

Feed Lines: Pre-fill each feed line with lubricant before connecting to outlet of divider valve and bearing.



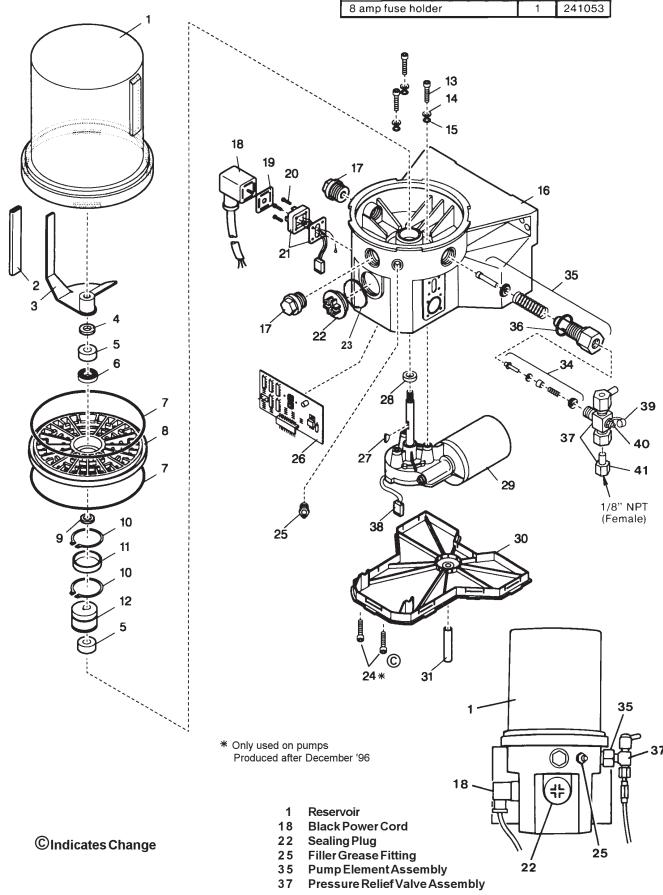
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SYSTEM ACCESSORIES

| | Description | Qty. | Qty. Part No. | |
|---|-------------------|------|---------------|--|
| ı | 8 amp fuse | 1 | 241052 | |
| | 8 amp fuse holder | 1 | 241053 | |



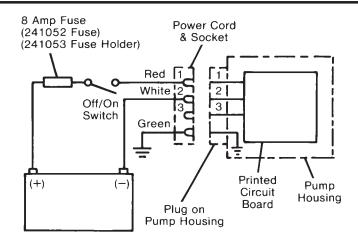
ELECTRICAL CONNECTIONS

Connect black power cord as follows:

Red wire connects to Off/On switch, to 8 amp fuse then to Battery (+).

White wire connects to Battery (-).

Green wire connects to grounding wire.



PARTS LIST

| ITEM | DESCRIPTION | QTY. | PART NUMBER | | |
|----------|----------------------------|--------|--|--|--|
| NO. | | | /KIT NUMBER | | |
| 1 | Reservoir | 1 | part of Kit 246432 | | |
| 2 | Hose | 1 | part of Kit 246433 | | |
| 3 | Stirring paddle | 1 | part of Kit 246433 | | |
| 4 | Washer | 1 | part of Kits 246433 & 246434 | | |
| 5 | Bearing ring | 2 | part of Kit 246434 | | |
| 6 | Bearing | 1 | part of Kit 246434 | | |
| 7 | O-ring | 2 | 246424, part of Kit 246432 | | |
| 8 | Intermediate plate | 1 1 | 246425 | | |
| 9 | Shim | 1 | part of Kit 246434 | | |
| 10 | Snap ring | 2 | part of Kit 246434 | | |
| 11 | Inner ring | 1 | part of Kit 246434 | | |
| 12 13 | Eccentric cam Screw | 1 3 | 246427 | | |
| 14 | Washer | 3 | part of Kits 246435 & 246436 part of Kits 246435 & 246436 | | |
| 15 | O-ring | 3 | part of Kits 246435 & 246436 & 246437 | | |
| 16 | Pump housing | 1 | 246426 | | |
| 17 | Closure plug | 2 | 246422 | | |
| 18 | Socket with cord | 1 | part of Kits 246430 | | |
| 19 | Flat packing | 1 1 | part of Kits 246430, 246550 | | |
| 20 | Screws | 4 | part of Kit 246550 | | |
| 21 | Plug | 1 | part of Kit 246550 | | |
| 22 | Sealing plug | 1 | 246423 | | |
| 23 | O-ring | 1 | 219141382 | | |
| 24 | Screw | 2 | 206137967© | | |
| 25 | Grease fitting | 1 | 5050 | | |
| 26 | Printed circuit board | 1 | 246420 | | |
| 27 | Woodruff key | 1 | part of Kits 246435 & 246436 | | |
| 28 | Radial seal | 1 | part of Kits 246435, 246436 & 246437 | | |
| 29 | 12 VDC motor | 1 | part of Kit 246435 | | |
| 29 | 24 VDC motor | 1 | part of Kit 246436 | | |
| 30 | Housing cover | 1 | 246421 | | |
| 31 | Hose | 1 | Not sold | | |
| 32 33 | NOTASSIGNED | | | | |
| 34 | NOTASSIGNED Check valve | 1 | part of Kit 600268762 | | |
| 35 | Pump element | | part of Kit 600268762 | | |
| 36 | Gasket | | part of Kit 600268762 | | |
| | Pressure relief assy. | lil | 246321 | | |
| 38 | Plug for motor | 1 | part of Kits 243435 & 246436 | | |
| 39 | Grease cap | i i | 242125 | | |
| 40 | Grease fitting | 1 | 5045 | | |
| 41 | Adapter for relief assy. | 1 | 246428 | | |
| | | | | | |

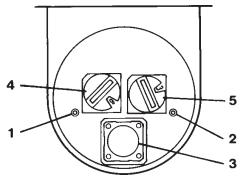
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TIMER OPERATION

When the Off timer reaches the preset value the pump will turn on. The pump remains activated for the period of time that is preset on the On timer.

If power to the pump is interrupted, the Off timer will retain the accumulated time for a period of five days. When power is turned back on during the five day period, the off time will resume timing from the accumulated time it reached prior to the power interruption. If power is not restored before the end of the five day period, timer will begin with an On period.

Remove Sealing Plug (Item 22) to access manual lube switch, timer adjustments or to view the system LED's.



- 1. The LED marked "battery" lights when power is applied to the PC board.
- The LED marked "motor" lights when pumping lubricant.
- 3. Depressing pushbutton for 2 seconds will initiate a manual lube event.
- Off time rotary switch. Can be adjusted to 15 values (see chart below).
- On time rotary switch. Can be adjusted to 15 values (see chart below).

IMPORTANT: Do Not use the Zero position located on the Off time and On time switches.

| Off-Time Rotary Switch Setting | Interval Between Lube Cycles | On-Time Rotary Switch Setting | Pump will run for: | |
|---|---------------------------------------|--|-----------------------|--|
| 0 | Will not run | 0 | Will not run | |
| 1 | 1 hour | 1 | 2 minutes | |
| 2 | 2 hours | 2 | 4 minutes | |
| 3 | 3 hours | 3 | 6 minutes | |
| 4 | 4 hours | 4 | 8 minutes | |
| 5 | 5 hours | 5 | 10 minutes | |
| 6 | 6 hours | 6 | 12 minutes | |
| 7 | 7 hours | 7 | 14 minutes | |
| 8 | 8 hours | 8 | 16 minutes | |
| 9 | 9 hours | 9 | 18 minutes | |
| Α | 10 hours | Α | 20 minutes | |
| В | 1 1 hours | В | 22 minutes | |
| С | 12 hours | С | 24 minutes | |
| D | 13 hours | D | 26 minutes | |
| E | 14 hours | E | 28 minutes | |
| F | 15 hours | F | 30 minutes | |

SERVICE PARTS/KITS

| South 1 Grease fitting 25 242125 1 Grease cap 39 39 246321 1 Pressure relief assembly 37 246420 1 Printed circuit board 26 246421 1 Housing cover 30 30 246422 1 Closure plug 17 246423 1 Sealing plug 22 246424 2 O-ring 7 7 246425 1 Intermediate plate 8 246426 1 Pump housing 16 246427 1 Eccentric cam 12 246428 1 Adapter for relief assembly 41 Power Cord Kit contains: 1 Socket with cord 1 Flat packing Paddle Kit contains: 1 Hose 2 2 3 3 3 3 3 3 3 3 | PART NO. | QTY. | DESCRIPTION | ITEM NO. |
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| | | | | |
| 1 | | | | |
| | | 1 | Gasket | 36 |

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- RETAIN THIS INFORMATION FOR FUTURE REFERENCE -

When ordering replacement parts, list: Part Number, Description, Model Number and Series Letter. LINCOLN provides a Distributor Network that stocks equipment and replacement parts.