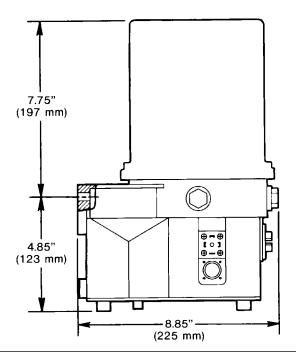


# Model 94124 INDUSTRIAL LUBE ELECTRIC GREASE PUMP SERIES "B"

## **OWNER/OPERATOR MANUAL**





## **WARNING**

Do Not use pump without pressure relief valve.

### SPECIFICATIONS

Electrical Requirements ... 24 VDC @ 2 amps Enclosure Rating ....... IP 6K9K - Protected from water

sprayed in all directions.

On Time ...... 2 minutes minimum

30 minutes maximum in 2 minute increments

Off Time ...... 1 hour minimum

15 hours maximum in 1 hour increments

Pump Output ...... 0.171 cu. in./min (2.8 cm/min)

Outlet Connection ...... 1/8" NPT (female)

Maximum Recommended

Operating Pressure ....... 3600 psi (248 bar) Reservoir Capacity ...... 122 cu. in. (2000 cc)

Lubricant ...... Greases up to NLGI grade 2 (depending on the operating

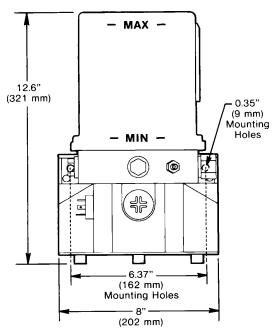
temperature and type of

lubricant)

Temperature Range ...... -  $13^{\circ}F(-25^{\circ}C)$  to  $+158^{\circ}F(+70^{\circ}C)$ 

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

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### 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.

#### TO FILL 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.



One Lincoln Way St. Louis, Missouri 63120-1578 (314) 679-4200

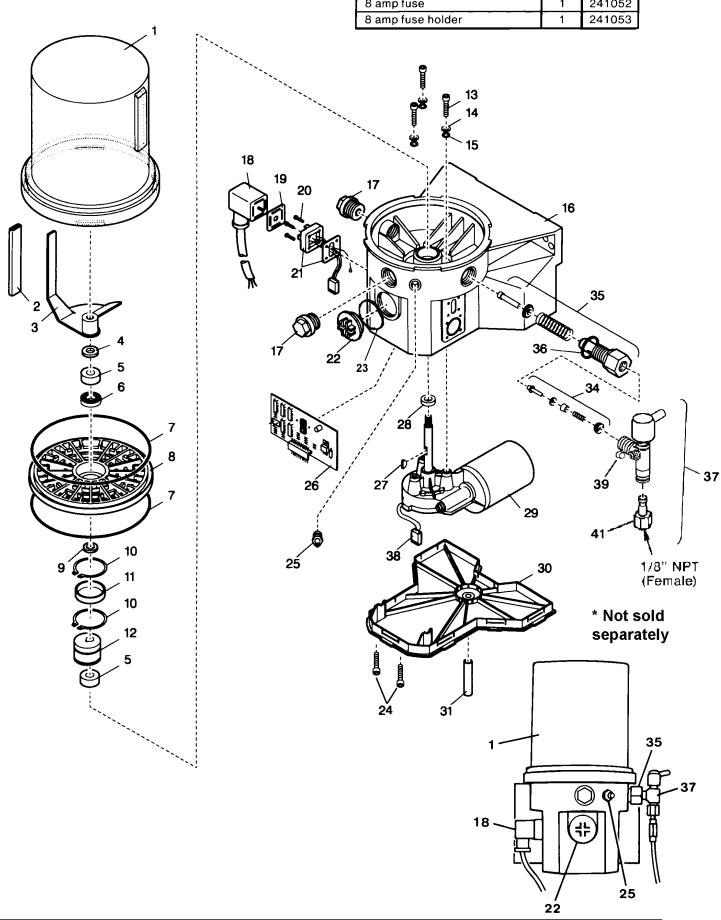
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## SYSTEM ACCESSORIES

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



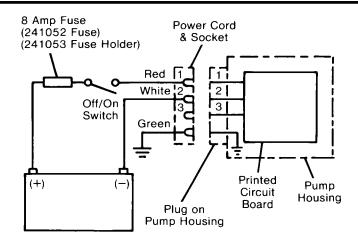
## **ELECTRICAL CONNECTIONS**

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 NO.	DESCRIPTION	QTY.	PART NUMBER /KIT NUMBER
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 12 22 22 24 25 26 27 28 29 30 31 33 34 35 36 37 38 37 37 37 38 37 37 37 37 37 37 37 37 37 37 37 37 37	Reservoir Hose Stirring paddle Washer Bearing ring Bearing O-ring Intermediate plate Shim Snap ring Inner ring Eccentric cam Screw Washer O-ring Pump housing Closure plug Socket with cord Flat packing Screws Plug Sealing plug O-ring Screw Grease fitting Printed circuit board Woodruff key Radial seal 24 VDC motor Housing cover Hose NOT ASSIGNED NOT ASSIGNED NOT ASSIGNED Check valve Pump element Gasket Pressure relief assy. Plug for motor Grease cap Adapter for relief assy.	1 1 1 1 2 1 2 1 1 2 3 3 1 2 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	part of Kit 246432 part of Kit 246433 part of Kit 246433 part of Kit 246433 part of Kit 246434 part of Kit 246434 part of Kit 246434 246424, part of Kit 246432 246425 part of Kit 246434 part of Kit 246434 part of Kit 246434 part of Kit 246436 part of Kit 246436 part of Kit 246436 part of Kit 246436 part of Kits 246430 part of Kits 246430 part of Kits 246440 part of Kit 246440 part of Kit 246440 part of Kit 246440 part of Kit 246436 part of Kit 246436 part of Kit 246430 part of Kit 246440 part of Kit 246430 part of Kit 246436 part of Kit 600268762 part of Kit 600268762 part of Kit 600268762 part of Kit 600268762 part of Kit 246436 part of Kit 600268762 part of Kit 246436 part of Kit 246436 part of Kit 600268762 part of Kit 600268762 part of Kit 600268762 part of Kit 246436 part of Kit 246436

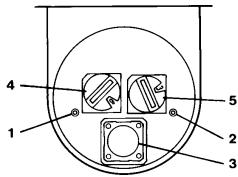
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#### TIMER OPERATION

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.



- The LED marked "battery" lights when power is applied to the PC board.
- 2. The LED marked "motor" lights when pumping lubricant
- 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 Interval On-Time Rotary **Rotary Between** Pump will **Switch** Lube Switch run for: Setting Cycles Setting Will not run Will not run 0 0 1 hour 2 minutes 2 2 hours 2 4 minutes 3 3 hours 3 6 minutes 4 4 hours 4 8 minutes 5 5 hours 10 minutes 5 6 6 hours 6 12 minutes 7 hours 14 minutes 8 8 hours 8 16 minutes 9 9 hours 9 18 minutes Α 10 hours 20 minutes Α В 11 hours В 22 minutes 12 hours С С 24 minutes D 13 hours D 26 minutes Ε 14 hours Ε 28 minutes 15 hours 30 minutes

## SERVICE PARTS/KITS

Part No.	Qty.	Description	Item No.
5050	1	Grease fitting	25
242125	1	Grease cap	39
270864©	1	Pressure relif assembly	37
246421	1	Housing cover	30
246422	1	Closure Plug	17
246423	1	Sealing plug	22
246424	2	O-Ring	7
246425	1	Intermediate plate	8
246426	1	Pump Housing	16
246427	1	Eccentric cam	12
246432		Reservoir Kit contains:	
	1	Reservoir	1
	1	O-Ring	7
249565	1	Adpater for relief assembly	41
246430		Power Cord Kit contains:	
	1	Socket with cord	18
	1	Flat packing	19
246433	·	Paddle Kit contains:	
210100	1	Hose	2
	1	Striing Paddle	3
	1	Washer	4
246434		Bearing & Seal Kit contains:	
240404	1	Washer	4
	2	Bearing ring	5
	1	Bearing	6
	1	Shim	9
	2	Snap ring	10
	1	Inner ring	11
246436		24 VDC Motor Kit contains:	11
240430	3	Screw	13
			14
	3 3	Washer	15
	ა 1	O-ring	
	1	Woodruffkey Radial seal	27
			28
	1	24 VDC Motor	29
040407	1	Plug for motor	38
246437	•	Housing Seal Kit contains:	45
	3 1	O-ring	15
0.40.440	1	Radial seal	28
246440		Power Plug Kit contains:	4.0
	1	Flat packing	19
	4	Screws	20
0.405.11	1	Plug	21
246644	1	Printed circuit board	26
206137967	10	Screw	24
219141382	1	O-ring	23
249569	1	Seal	24
600268762		Pump Element Assy. contains:	
	1	Check valve	34
	1	Pump element	35
	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.