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DESCRIPTION - Model 87228

Model 87228 is an electric-operated lubricant pump consisting of an electric motor, a reciprocating-type pumping mechanism and a lubricant reservoir with follower.

MOTOR

A 1/3 H.P. 220/440 VOLT, 60 Hz. electric motor supplies the power to the pump. The motor wire ends are accessible at the marked terminals within the motor end bell housing. It is recommended that the motor wire be protected by a flexible conduit, suitably attached by approved gasketed connectors to the knock-outs on the motor housing.

PUMPING MECHANISM

An average of 10 oz. per minute (18 cu. in.) with pumping pressures as high as 3500 PSI can be attained. A high pressure relief valve (3700 PSI) to protect against excess pressure is provided. The outlet check assembly can be easily removed for inspection and service.

IMPORTANT: It is recommended that the Gear Box be checked periodically to maintain the proper level of S.A.E. 80 Gear Lubricant.

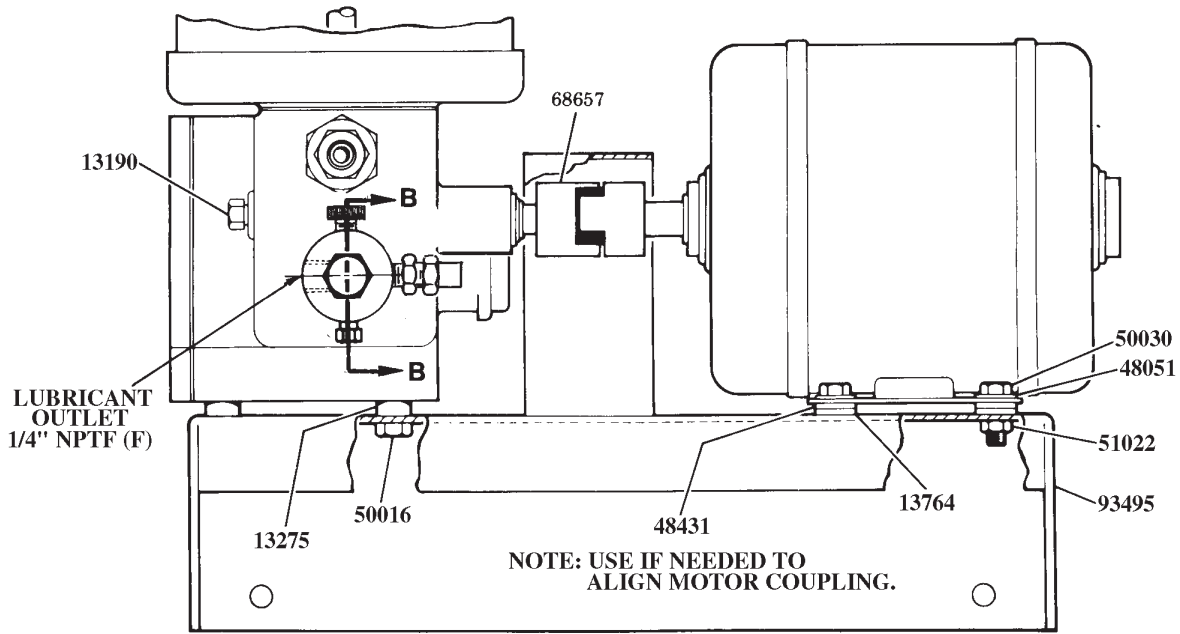
RESERVOIR

The lubricant reservoir has a capacity of 11.4 lb. The translucent reservoir shows the lubricant level clearly at all times. The reservoir assembly is gasketed and covered to prevent the entry of possible contaminants. Filling is done through the fill nipple which also strains the grease before entering the reservoir.

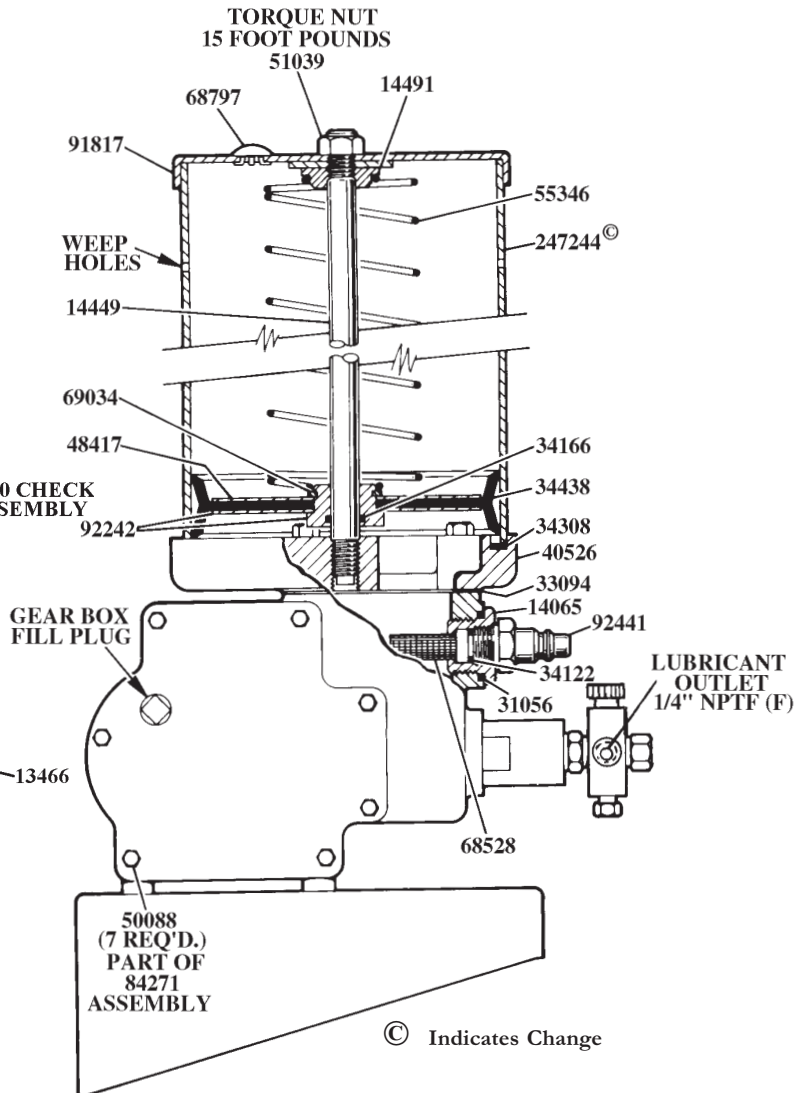
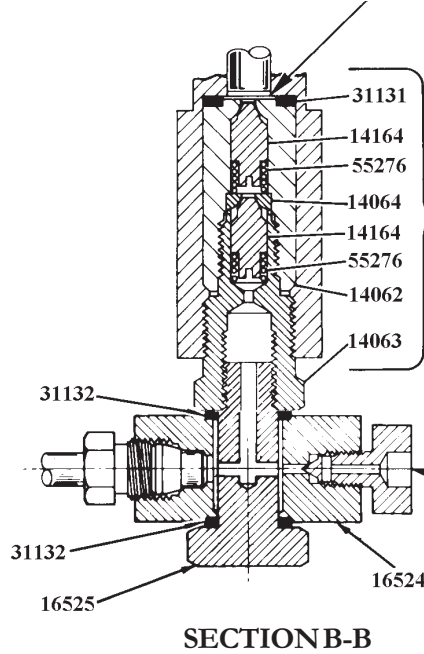
NOTE: The acrylic reservoir cylinder should be replaced with a metal cylinder on installations where the ambient temperature exceeds 140°F.

IMPORTANT

AN ACCESSORY DEVICE REQUIRED IS A STANDARD
ACROSS-THE-LINE MOTOR STARTER, NEMA
SIZE 0 OR 1, FOR THE CONNECTION BETWEEN THE
CONTROL PANEL AND PUMP MOTOR.
(SUPPLIED BY CUSTOMER)



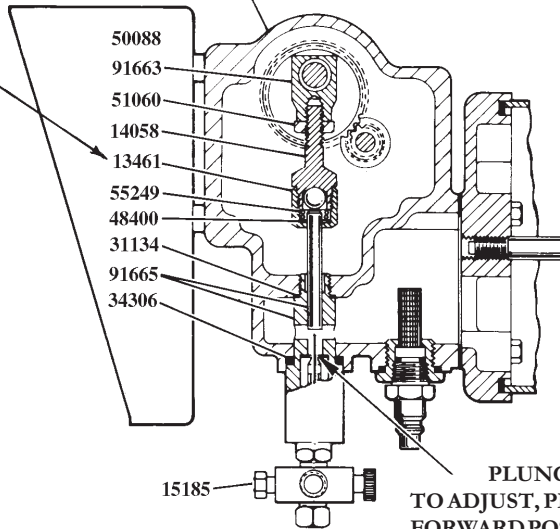
NOTE:
PLUNGER GAP CRITICAL.
TO ADJUST, PLACE ECCENTRIC IN
FORWARD POSITION. EXTEND
PLUNGER ADJUSTMENT UNTIL
PLUNGER TOUCHES CHECK SEAT.
REVERSE ADJUSTMENT 1/2 TURN.



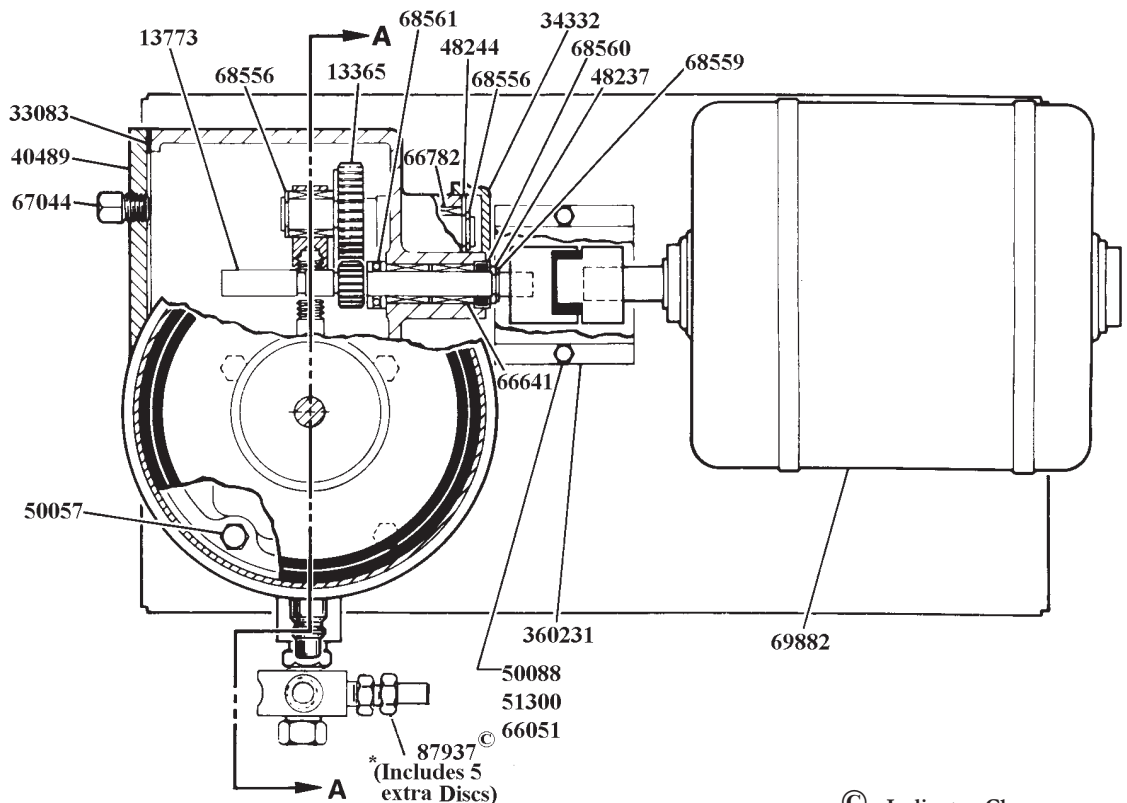
SECTION A-A

92042
(Includes (2) 66641 &
(2) 66782 Needle Bearings)

Assemble 13461 to 14058
using Loctite #271 (Red) to
threads. Then torque to
45 - 55 ft. lbs.



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REVERSE ADJUSTMENT 1/2 TURN.



87937[©]
*(Includes 5
extra Discs)
*(for additional discs, order part
number 69813-10, package of 10
discs.)

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SERVICE PARTS

PART	QTY	DESCRIPTION	PART	QTY	DESCRIPTION
13190	1	Plug	48417	1	Washer
13275	4	Spacer	48431	4	Washer
13365	1	Gear	50016	4	Screw
13461	1	Nut	50030	4	Screw
13466	1	Air vent screw	50057	4	Screw
13764	4	Spacer	50088	9	Screw
13773	1	Pinion shaft	51022	4	Nut
14058	1	Connecting rod	51039	1	Nut
14062	1	Body	51060	1	Nut
14063	1	Cap	51300	2	Nut
*14064	1	Seat	55249	1	Spring
14065	1	Adapter	55276	2	Spring
*14164	2	Check valve	55346	1	Spring
14449	1	Tie rod	66051	2	Lockwasher
14491	1	Retainer washer	67044	1	Plug
15185	1	Plug	68528	1	Strainer
16524	1	Outlet connector	68556	2	Retaining ring
16525	1	Outlet bolt	68559	1	Retaining ring
31056	1	Gasket	68560	1	Shaft seal
*31131	1	Gasket	68561	1	Thrust bearing
31132	1	Gasket	*68657	1	Coupling
31134	1	Gasket	68797	1	Plug button
33083	2	Gasket	69034	1	Snap ring
33094	1	Gasket	69882	1	Motor
34122	1	Packing (Nitrile)	83530	1	Check assembly
34166	1	O-ring (Nitrile)	87937	1	Relief valve
34306	1	Packing (Nitrile)	91663	1	Crank head assembly
*34308	1	Gasket (Nitrile)	91665	1	Bushing and plunger
*34332	1	Shaft seal (Nitrile)	91817	1	Reservoir cap
34438	1	Follower (Nitrile)	92042	1	Gear box assembly
40489	1	Cover plate	92242	1	Bushing and washer
40526	1	Reservoir casting	92441	1	Filler fitting
48051	4	Washer	93495	1	Base assembly
48237	1	Washer	247244	1	Reservoir assembly (Acrylic)©
48244	1	Washer	360231	1	Guard
48400	1	Washer			

*Recommended service parts inventory

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OPTIONAL: Low-Level Cut-Off Kit No. 83671 may be ordered to signal low lubricant level in reservoir.

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.