

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

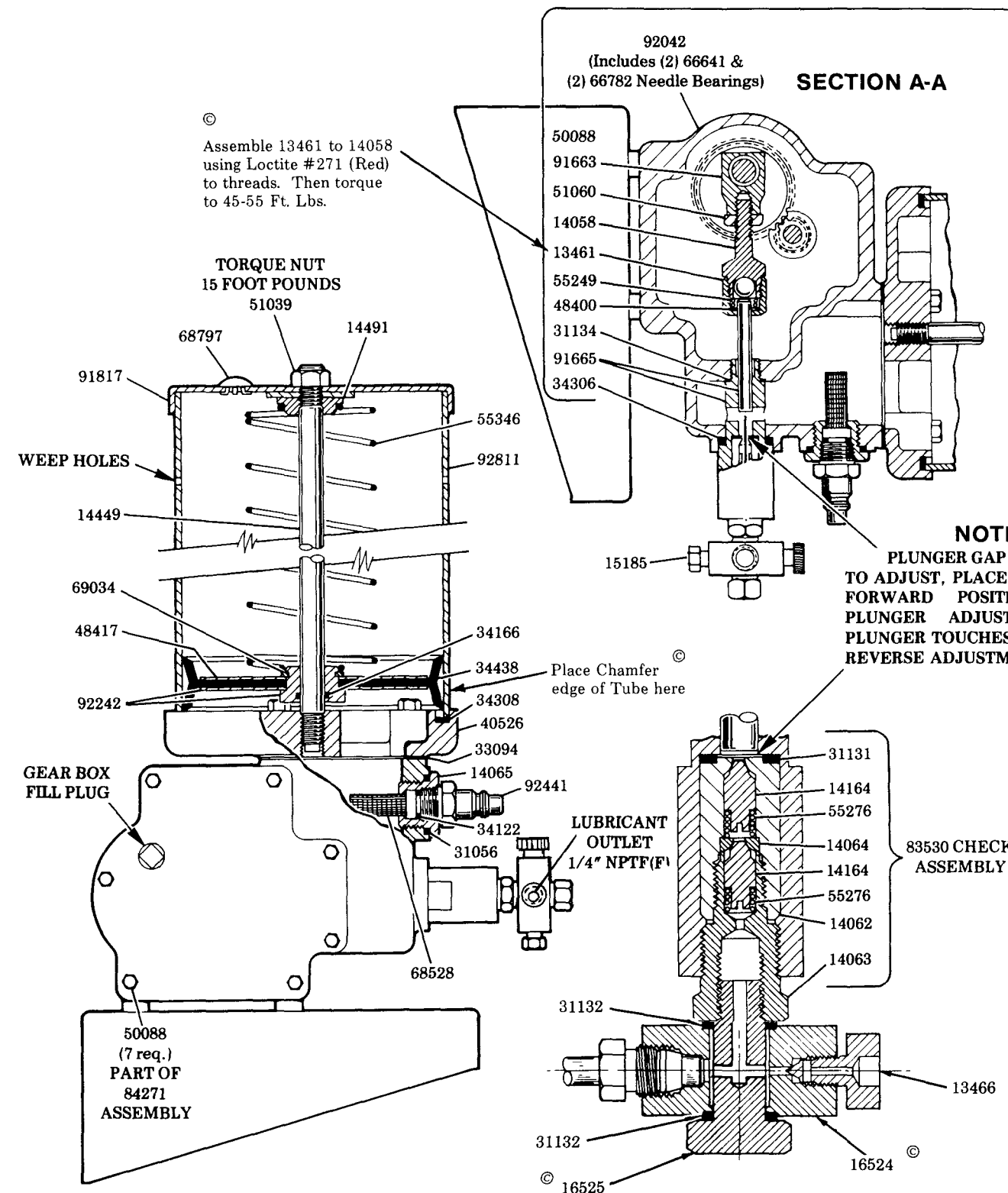
The lubricant reservoir has a capacity of 11.4 lb. The transparent reservoir shows the lubricant level clearly at all times. The reservoir assembly is gasketed and covered to prevent the entry of possible contaminants. Filling is done through the fill nipple which also strains the grease before entering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

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

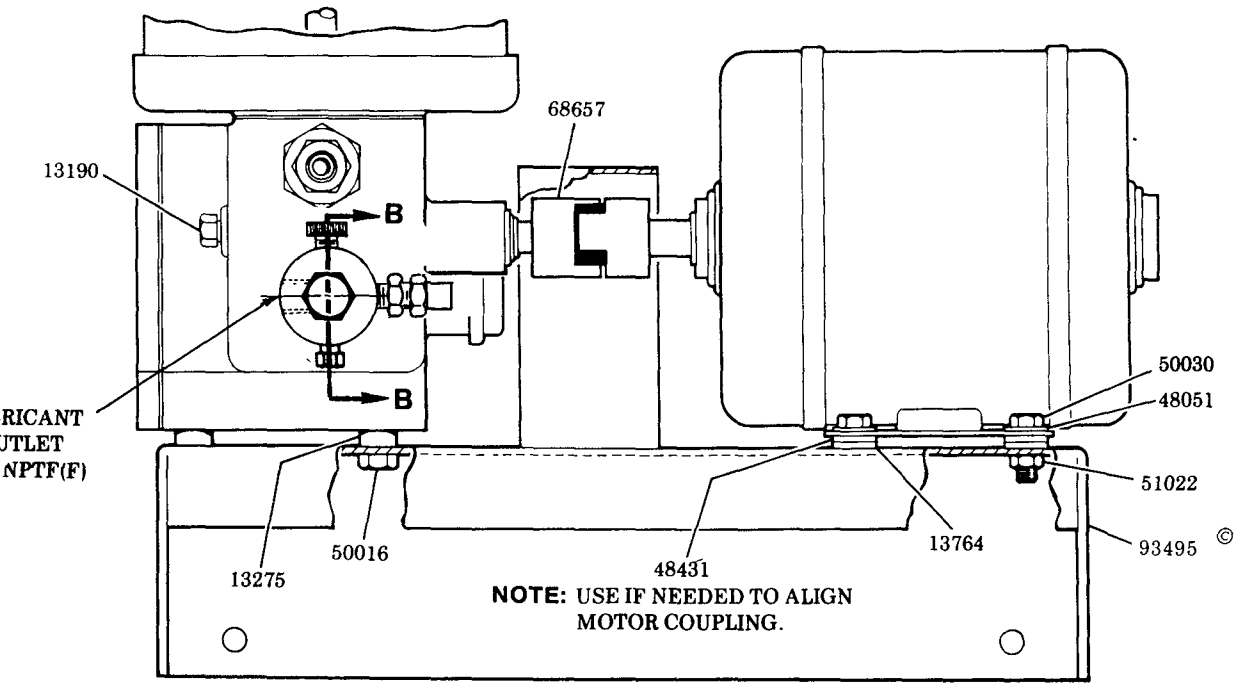
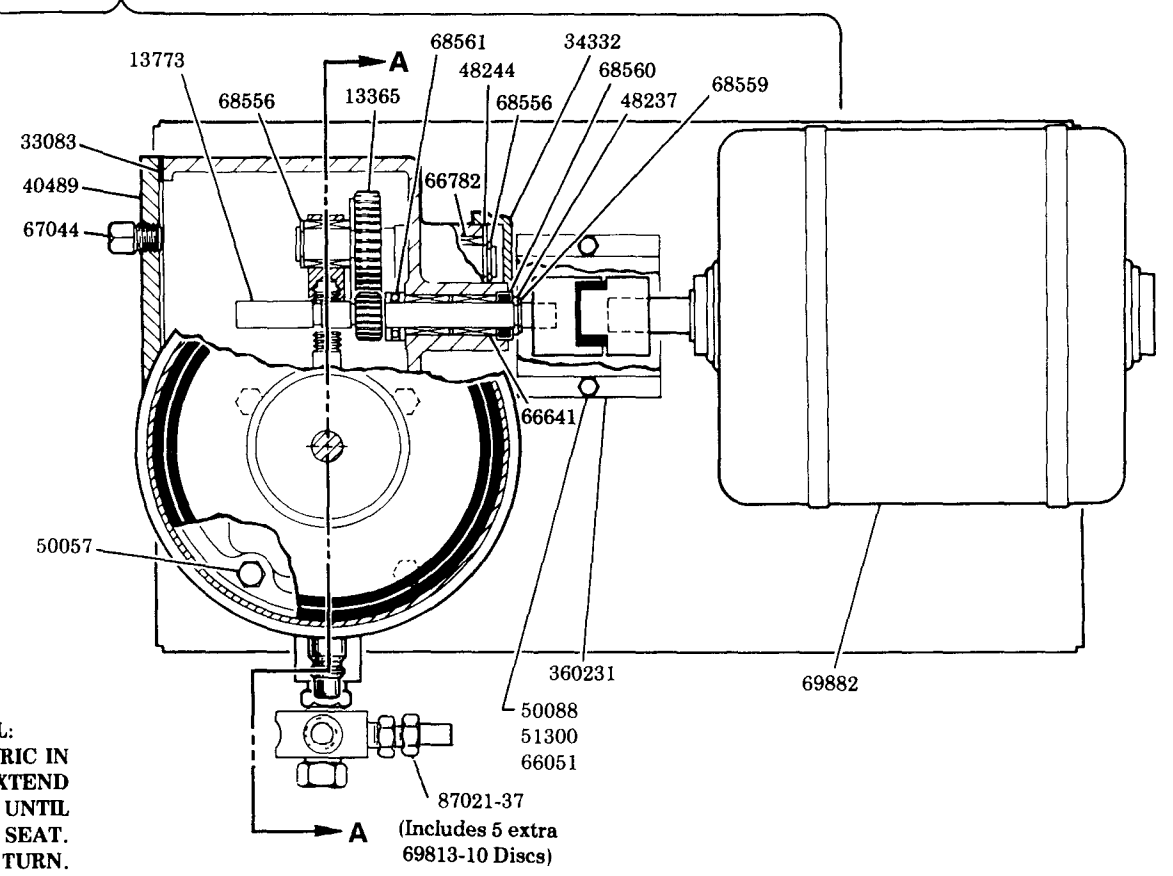
IMPORTANT

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)

84271 GEAR BOX ASSEMBLY



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 B-B

© Indicates change

SERVICE PARTS

Part	Qty.	Description	Part	Qty.	Description
13190	1	Plug	50057	4	Screw
13275	4	Spacer	50088	9	Screw
13365	1	Gear	51022	4	Nut
13461	1	Nut	51039	1	Nut
13466	1	Air vent screw	51060	1	Nut
13764	4	Spacer	51300	2	Nut
13773	1	Pinion shaft	55249	1	Spring
14058	1	Connecting rod	55276	2	Spring
14062	1	Body	55346	1	Spring
14063	1	Cap	66051	2	Lockwasher
*14064	1	Seat	67044	1	Plug
14065	1	Adapter	68528	1	Strainer
*14164	2	Check valve	68556	2	Retaining ring
14449	1	Tie rod	68559	1	Retaining ring
14491	1	Retainer washer	68560	1	Shaft seal
15185	1	Plug	68561	1	Thrust bearing
16524	1	Outlet connector	*68657	1	Coupling
16525	1	Outlet bolt	68797	1	Plug button
31056	1	Gasket	69034	1	Snap ring
*31131	1	Gasket	69882	1	Motor
31132	2	Gasket	83530	1	Check assembly
31134	1	Gasket	84271	1	Gear box assembly
33083	1	Gasket	87021-37	1	Relief valve
33094	1	Gasket	91663	1	Crank head assembly
34122	1	Packing	91665	1	Bushing and plunger
34166	1	O-ring	91817	1	Reservoir cap
34306	1	Packing	92042	1	Gear box assembly
*34308	1	Gasket	92242	1	Bushing and washer
*34332	1	Shaft seal	92441	1	Filler fitting
34438	1	Follower	92811	1	Reservoir assembly
40489	1	Cover plate	93495	1	Base assembly
40526	1	Reservoir casting	360231	1	Guard
48051	4	Washer			
48237	1	Washer			
48244	1	Washer			
48400	1	Washer			
48417	1	Washer			
48431	4	Washer			
50016	4	Screw			
50030	4	Screw			

*Recommended service parts inventory.

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.