

# QUICKLUB® OIL PUMP

# Model 604272241

TYPE HPO  
MANUALLY OPERATED  
SINGLE ACTING, SINGLE OUTLET

## Series "A"

### SPECIFICATIONS:

Lubricant Output Per Stroke ..... 0.1 cu. in. (1.6 cc)  
Max. Operating Pressure..... 2300 psi (160 bar)  
Reservoir Capacity ..... 110 cu. in. (1.8 liters)  
Lubricant Outlet..... 1/4" O.D. Tube Connector

### DESCRIPTION

The 604272241 Pump is used in a progressive type centralized lubrication system. It is a single stroke, spring return pump that is manually operated. It has a clear reservoir for visual inspection of oil level.

### OPERATION

The pump is actuated by hand applying a smooth even force to the pump lever until it reaches its maximum travel. Relieving the downward pressure on the lever will allow it to return to its normal position by spring assistance.

**IMPORTANT:** Pump must be installed in a vertical position.

### TO FILL RESERVOIR

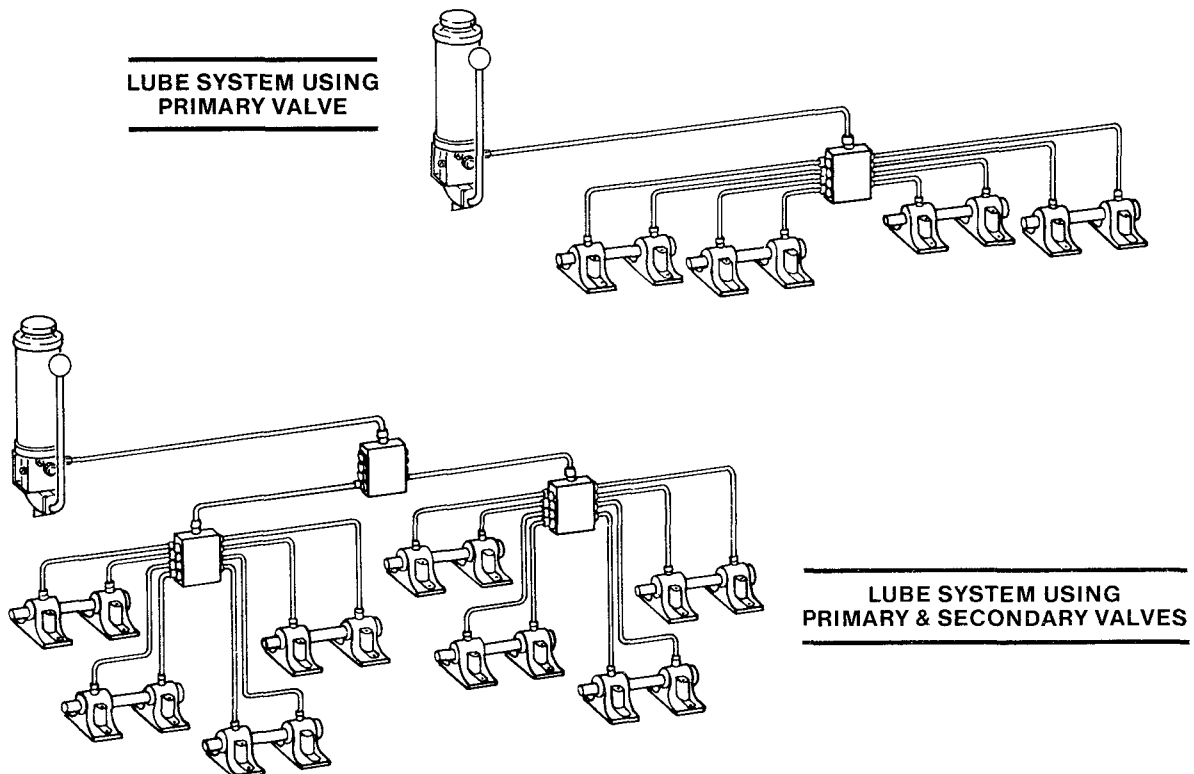
The reservoir is filled through the filler cap at the top of the reservoir. The strainer **MUST** be in place when filling the reservoir. Strainer should be removed and cleaned periodically.

### TO PRIME SYSTEM

**Pump & Supply Lines:** After reservoir has been filled with recommended lubricant, loosen vent screw locknut and open vent screw approximately one turn (Do Not Remove). Also, loosen supply line fittings. Operate pump until lubricant flows from vent screw, then tighten vent screw and locknut. Continue to operate pump until lubricant flows from threads of any loosened fitting and tighten fitting. Repeat procedure until fittings are tightened and supply line is primed.

**Feeder Lines:** Fill each feeder line with lubricant before connecting to outlet of divider valve and bearing. This will prevent having to cycle each divider valve to fill line between divider valve and bearing.

### TYPICAL DISTRIBUTION COMBINATIONS



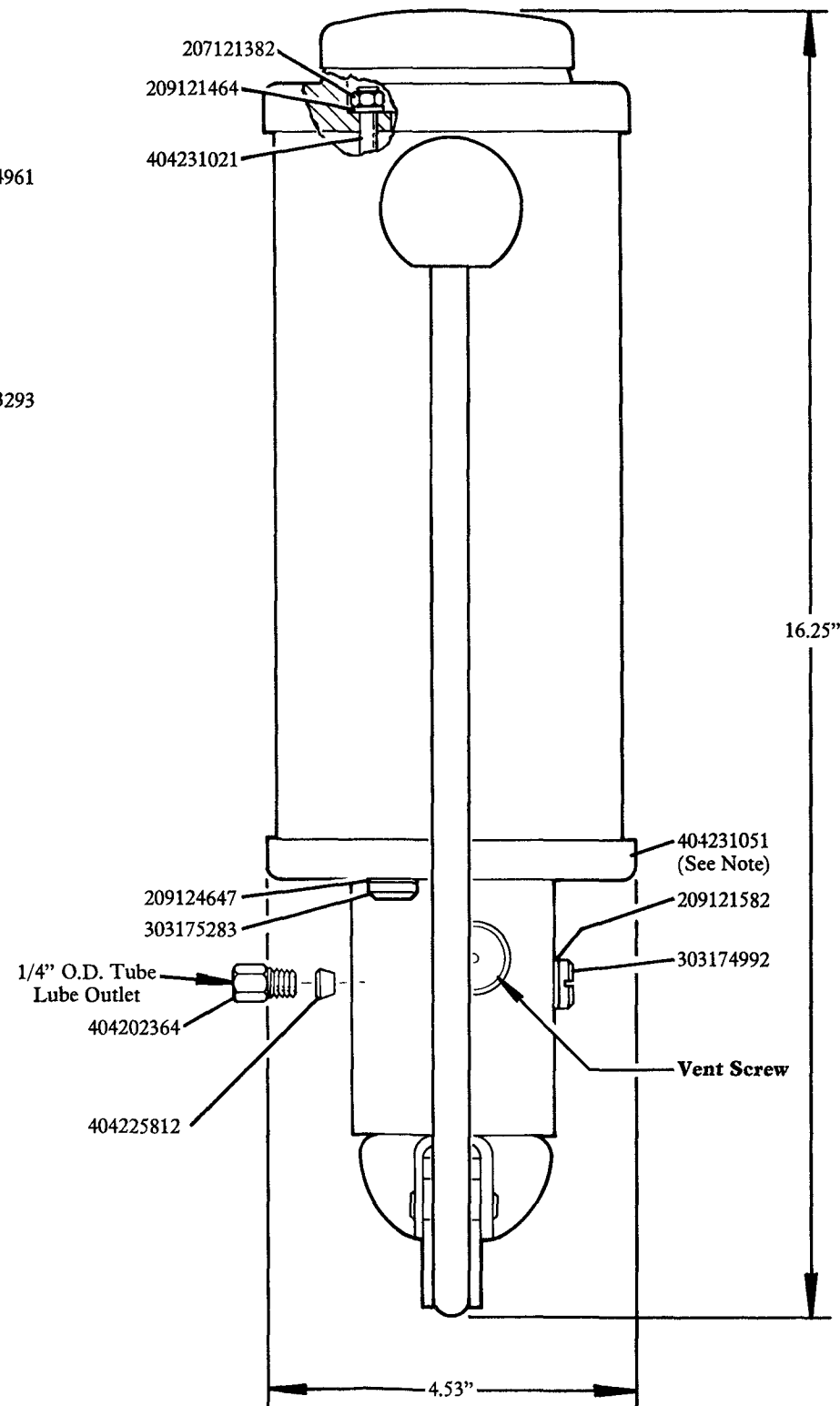
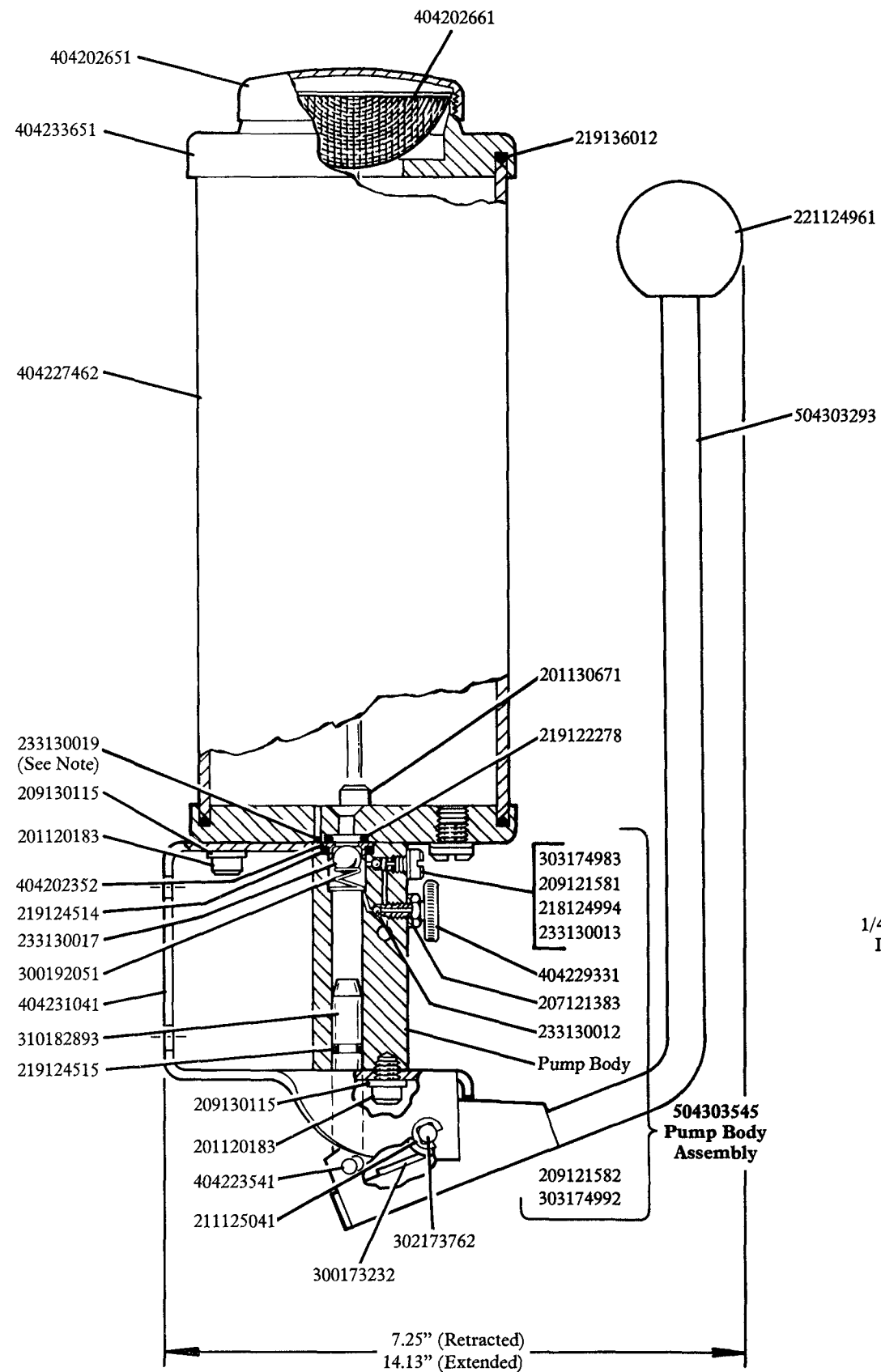
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A DIVISION OF  
McNEIL CORPORATION

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

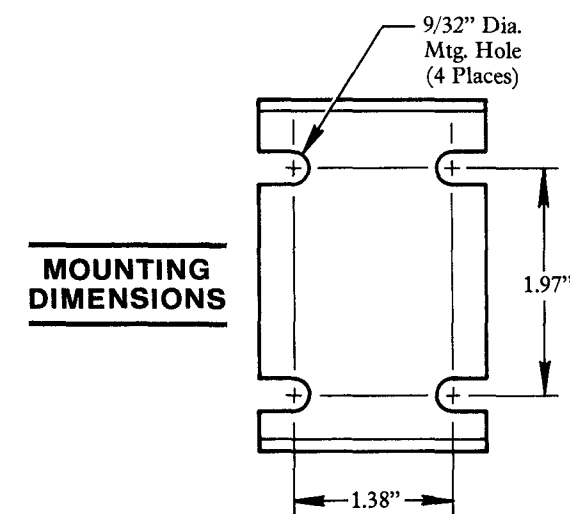
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## SERVICE PARTS

PART	QUAN.	DESCRIPTION
201120183	3	Hex socket screw
201130671	2	Hex socket screw
207121382	2	Nut
207121383	1	Locknut
209121464	2	Washer
209121581	1	Gasket (copper)
209121582	1	Gasket (copper)
209124647	1	Gasket (copper)
209130115	3	Washer
211125041	2	Retaining ring
218124994	1	Spring
219122278	1	O-ring
219124514	1	O-ring
219124515	1	O-ring
219136012	2	O-ring
221124961	1	Knob
233130012	1	Steel ball
233130013	1	Steel ball
233130017	1	Check valve ball
233130019	2	Steel ball
300173232	1	Handle spring
300192051	1	Spring
302173762	1	Handle pin
303174983	1	Closure plug
303174992	1	Closure plug
303175283	1	Closure plug
310182893	1	Piston
404202352	1	Check seat
404202364	1	Compression nut
404202651	1	Filler cap
404202661	1	Filter
404223541	1	Groove pin
404225812	1	Ferrule
404227462	1	Reservoir
404229331	1	Vent screw
404231021	2	Tie rod
404231041	1	Pump mounting bracket
404231051	1	Reservoir base
404233651	1	Reservoir cover
504303293	1	Handle
504303545	1	Pump body assembly



**NOTE:** When replacing 404231051 Reservoir Base, you must order two 233130019 Steel Balls and drive them into the two small holes in 404231051 Reservoir Base before installing.

## TROUBLESHOOTING

PROBLEM	SOLUTION
1) Handle moves without resistance. 2) Lubricant not delivered with pump stroke.	Lubricant reservoir empty - Check lubricant level in reservoir and fill if necessary.  Pump is air locked - Vent air from the pump. Refer to instructions under To Prime System.
1) Unusual resistance felt in handle.	Blockage in delivery line -  While maintaining slight pressure on handle, loosen fitting on pump body and check for lubricant delivery. Then loosen fittings at divider valves or at lubrication points in turn until lubricant emerges from outlet to atmosphere and pump handle moves. This will indicate in which line the blockage has occurred. Clear blockage or replace delivery line if damaged. Tighten all loose fittings.
1) Oil leaking from under pump body.	219124515 O-ring worn or damaged - Remove one 211125041 Retaining Ring, 302173762 Handle Pin and 300173232 Handle Spring. Remove handle and piston assembly from pump. Replace 219124515 O-ring. Lubricate piston lightly with oil. Loosen vent screw locknut, open vent screw approximately one turn (Do Not Remove) and install piston. Reassemble handle to pump with spring, pin and retaining ring. Operate pump until lubricant flows from vent screw, then tighten vent screw and locknut.
1) Oil leaking between reservoir and reservoir base.	219136012 O-ring worn or damaged - With reservoir empty, unscrew two 207121382 Nuts and remove reservoir. Replace 219136012 O-ring in reservoir base. Reassemble reservoir to base and secure with two 207121382 Nuts.
1) Oil leaking between pump body and reservoir base. 2) Handle moves without resistance. 3) Lubricant not delivered with pump stroke.	219124514 O-ring or 219122278 O-ring worn or damaged - or 233130017 Check Valve Ball and 404202352 Check Seat dirty, worn or damaged -  With reservoir empty, unscrew two 207121382 Nuts and remove reservoir. Unscrew two 201130671 and two 201120183 Hex Socket Screws and remove reservoir base. Disassemble suction valve and replace 219124514 O-ring. Clean and inspect 233130017 Check Valve Ball and 404202352 Check Seat, replace if worn or damaged. Replace 219122278 O-ring in reservoir base and assemble base to pump body with two 201130671 Hex Socket Screws.  <b>IMPORTANT:</b> Pump body must be flush with reservoir base.  Fasten mounting bracket to reservoir base with two 201120183 Hex Socket Screws. Reassemble reservoir to base.

**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.

A list of Authorized Service Departments will be furnished upon request.