

QUICKLUB® GREASE PUMP

TYPE HPG
MANUALLY OPERATED
SINGLE ACTING, EIGHT OUTLET

Model 604265221

Series "A"

SPECIFICATIONS:

Maximum Operating Pressure 2300 psi (160 bar)
 Delivery Sequence 7, 5, 3, 1, 8, 6, 4, 2
 Reservoir Capacity 92 cu. in. (1.5 litre)
 Lubricant Output/Pump Cycle 0.10 cu. in. (1.60 cc)
 Lube Output/Outlet/Pump Cycle 0.012 cu. in. (0.20 cc)
 Level Control Indicator Rod

DESCRIPTION

The 604265221 Pump is used in a progressive type centralized lubrication system. It is a single stroke, spring return pump that is manually operated. It has an indicator rod for visual inspection of reservoir grease level.

OPERATION

The pump is actuated by hand applying a smooth even force to the handle until it reaches its maximum travel. As the handle is actuated the piston displaces a total of 0.10 cu. in. (1.60 cc) of lubricant into the integrated eight outlet progressive divider valve, which divides it into eight equal deliveries of 0.012 cu. in. (0.20 cc). Relieve the downward force on the lever and it will return to its normal position by spring assistance.

IMPORTANT: Pump must be installed in a vertical position.

TO FILL RESERVOIR

It is recommended the reservoir be filled through the 5200 Lube Fitting located at the base of the reservoir, using an air operated or hand operated grease pump. Fill the reservoir until the recessed ring appears on the follower rod at the top of the reservoir.

TO PRIME SYSTEM

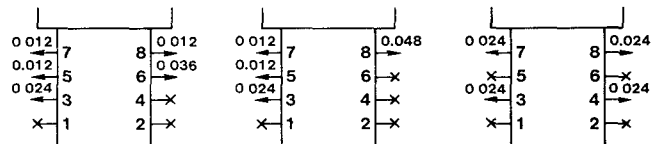
Pump & Supply Lines: After reservoir has been filled with recommended lubricant, loosen vent screw locknut and open vent screw approximately one turn (Do Not Remove). Also, loosen supply line fittings. Operate pump until lubricant flows from vent screw, then tighten vent screw and locknut. Continue to 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.

OUTLET COMBINATIONS

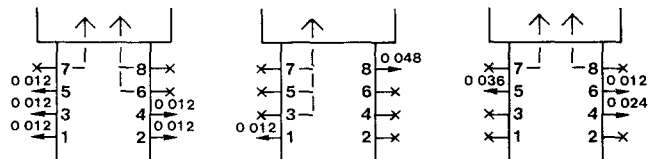
The lubricant output of one outlet is 0.012 cu. in. (0.20 cc) per piston stroke. When an outlet is closed using a closure plug, the lubricant output is automatically redirected internally and combined to the output of the next adjacent outlet in **ascending** numerical order, except when either outlet 7 and/or 8 is closed.

Examples:



When outlet 7 and/or 8 is closed, the output from either or both of these outlets, plus that of any immediately adjacent closed outlet, is automatically redirected internally to the pump reservoir.

Examples:

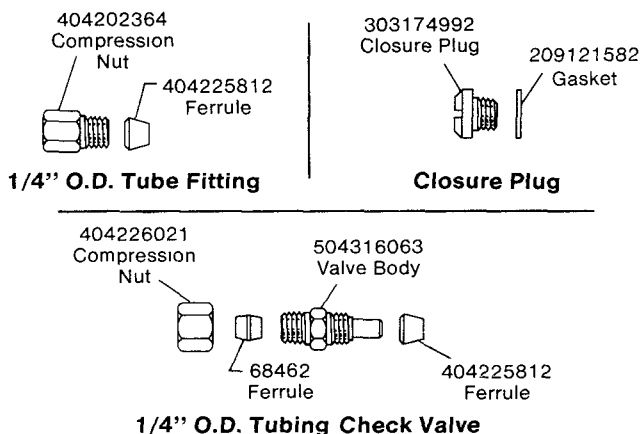


← Delivering Outlet (lubricant output in cu. in. per piston stroke)
 ✕ Closed Outlet

NOTE: The outlet combination procedure for the Quicklub® pump is different than that for the Quicklub® divider valves. Refer to Service Page Section Q4, Page 1 Series for divider valve outlet combination procedure.

OUTLET FITTINGS

(Not Included, Must be ordered separately.)



NOTE:

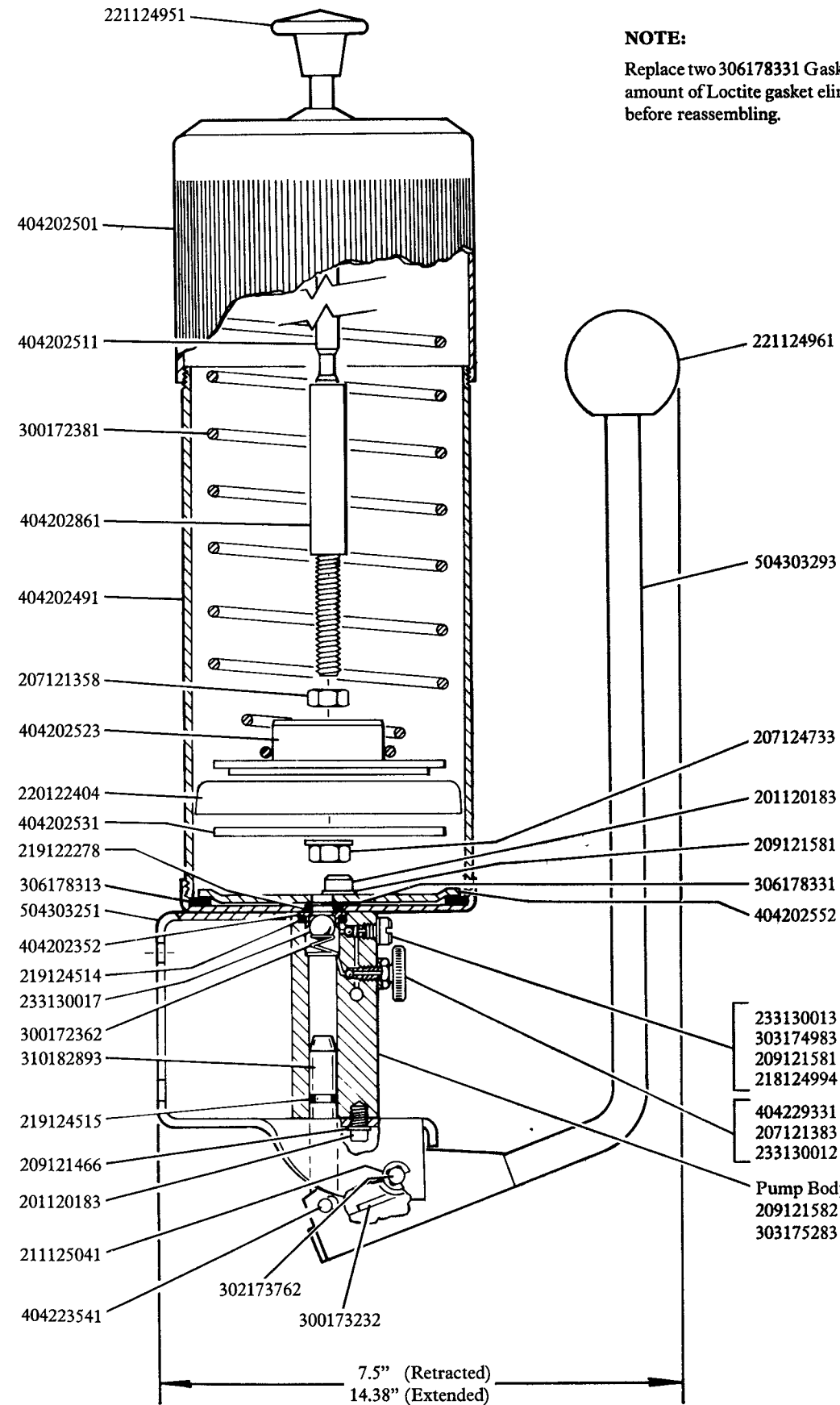
All tube fittings and closure plugs **MUST** be Quicklub® fittings to assure proper operation of pump.

Model 604265221 QUICKLUB® GREASE PUMP

SERVICE PARTS

NOTE:

Replace two 306178331 Gaskets or apply a small amount of Loctite gasket eliminator to this area before reassembling.

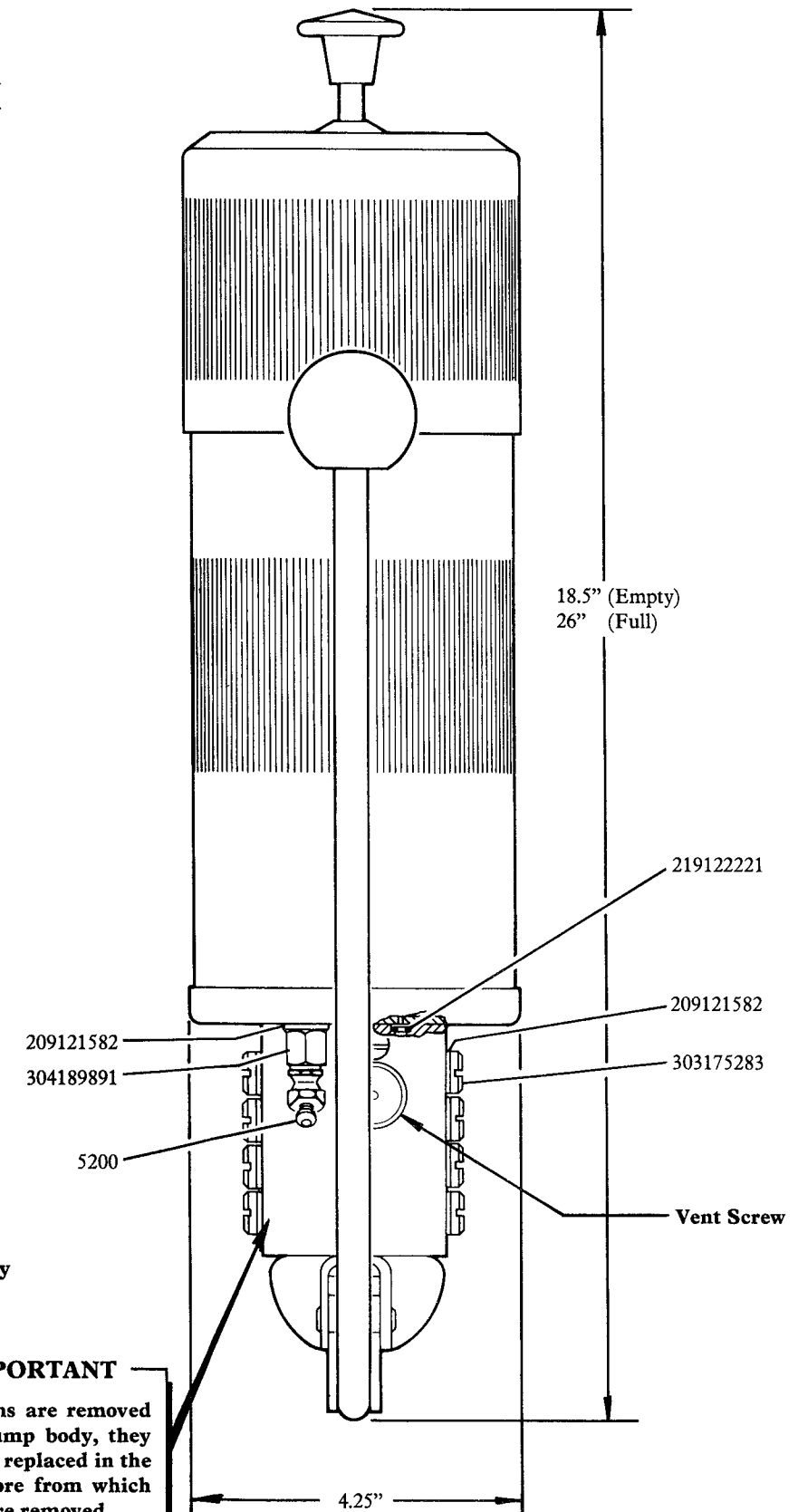


504303555
Pump Body
Assembly

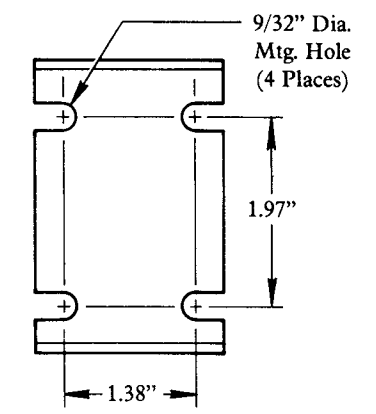
- 233130013
- 303174983
- 209121581
- 218124994
- 404229331
- 207121383
- 233130012

Pump Body
209121582
303175283

IMPORTANT
If pistons are removed from pump body, they must be replaced in the same bore from which they were removed.



MOUNTING DIMENSIONS



PART	QUAN.	DESCRIPTION
5200	1	Lube fitting
201120183	3	Hex socket screw
207121358	1	Nut
207121383	1	Locknut
207124733	1	Seal locknut
209121466	1	Washer
209121581	3	Gasket (copper)
209121582	9	Gasket (copper)
211125041	2	Retaining ring
218124994	1	Spring
219122221	2	O-ring
219122278	1	O-ring
219124514	1	O-ring
219124515	1	O-ring
220122404	1	Follower
221124951	1	Knob
221124961	1	Knob
233130012	1	Steel ball
233130013	1	Steel ball
233130017	1	Check valve ball
300172362	1	Spring
300172381	1	Spring
300173232	1	Handle spring
302173762	1	Handle pin
303174983	1	Closure plug
303175283	8	Closure plug
304189891	1	Connector
306178313	1	Gasket
306178331	2	Gasket (paper)
310182893	1	Piston
404202352	1	Check seat
404202491	1	Reservoir
404202501	1	Reservoir cover
404202511	1	Follower guide rod
404202523	1	Follower piston
404202531	1	Follower plate
404202552	1	Gasket seat
404202861	1	Stop casing
404223541	1	Groove pin
404229331	1	Vent screw
504303251	1	Mounting bracket w/base
504303293	1	Handle
504303555	1	Pump body assembly

TROUBLESHOOTING

PROBLEM	SOLUTION
<p>1) Pump handle moves without resistance.</p> <p>2) Lubricant not delivered with pump stroke.</p>	<p>Pump is air locked - Vent air from the pump . Refer to instructions under To Prime System.</p> <p>Lubricant reservoir empty - Check lubricant level in reservoir and fill if necessary.</p>
<p>1) Unusual resistance felt in handle.</p>	<p>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 until lubricant emerges from outlet to atmosphere and pump actuates. This will indicate in which line the blockage has occurred. Clear blockage or replace delivery line if damaged. Tighten all loose fittings.</p> <p>If pump does not cycle after above procedure, remove 303175283 Closure Plugs from pump body and check pistons for movement using a small rod or tool. If any of the pistons will not move, replace 504303555 Pump Body Assembly. If all pistons move, refer to other troubleshooting procedures to disassemble and repair pump.</p>
<p>1) Leakage between reservoir base and pump body.</p> <p>2) Lubricant not delivered with pump stroke.</p> <p>3) Handle moves without resistance.</p>	<p>219124514 O-ring is worn or damaged -</p> <p style="text-align: center;">or</p> <p>233130017 Check Valve Ball and 404202352 Check Seat dirty, worn or damaged - With reservoir empty, withdraw follower rod from top of reservoir and latch. Unscrew reservoir from reservoir base and remove. Unscrew two 201120183 Hex Socket Screws. Remove 211125041 Retaining Ring & 302173762 Bolt. Remove 504303293 Handle and 310182893 Piston assembled. Unscrew 201120183 Hex Socket Screw and remove pump body assembly. Remove 404202352 Check Seat & replace 219124514 O-ring. Clean & inspect 233130017 Check Valve Ball and 404202352 Check Seat, replace if worn or damaged. Replace 219122278 O-ring in reservoir base. To reassemble, reverse disassembly procedures. When installing piston, loosen vent screw locknut and open vent screw approximately one turn (Do Not Remove). After assembly, operate pump until lubricant flows from vent screw, then tighten vent screw and locknut.</p> <p>IMPORTANT: Pump body must be flush with reservoir base.</p>
<p>1) Leakage between reservoir and reservoir base.</p>	<p>306178313 Gasket is worn or damaged - With reservoir empty, withdraw follower rod from top of reservoir and latch. Unscrew reservoir from reservoir base and remove. Unscrew two 201120183 Hex Socket Screws. Remove 404202552 Gasket Seat. Replace 306178313 Gasket & two 306178331 Gaskets. To reassemble, reverse disassembly procedures.</p>
<p>1) Lubricant leaking from under pump body.</p>	<p>219124515 O-ring worn or damaged - Remove one 211125041 Retaining Ring, 302173762 Handle Pin and 300173232 Spring. Remove handle and piston assembly from pump. Replace 219124515 O-ring. When installing piston, loosen vent screw locknut and open vent screw approximately one turn (Do Not Remove). Reassemble handle to pump with spring, pin and retaining ring. After assembly, operate pump until lubricant flows from vent screw, then tighten vent screw and locknut.</p>

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.