

**SPECIFICATIONS**

SINGLE STROKE, AIR RETURN

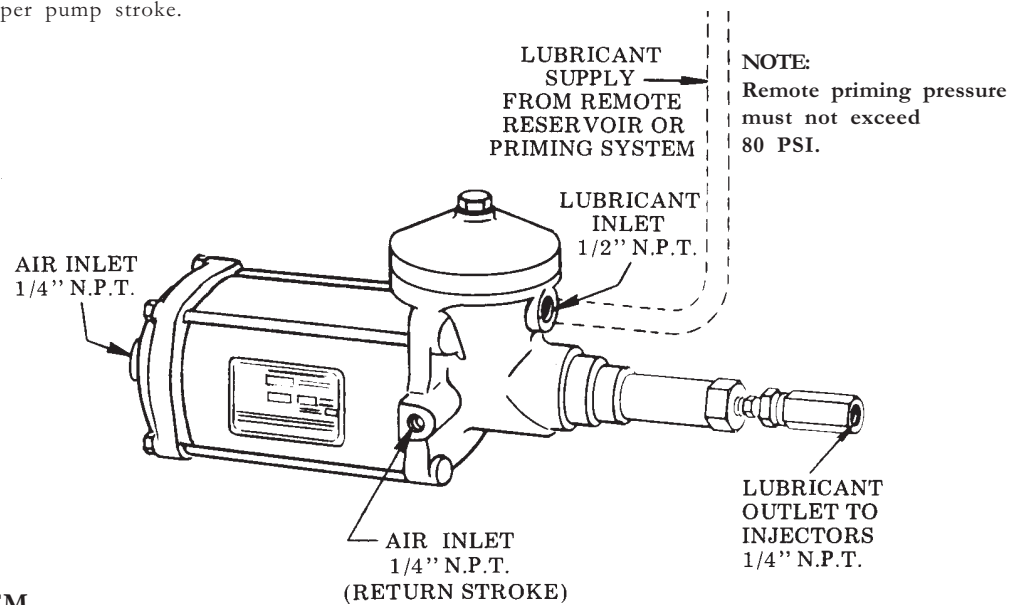
RATIO	LUBRICANT OUTPUT (CU.IN.)	AIR INLET	LUBRICANT OUTLET	LUBRICANT OPERATING PRESSURE (P.S.I.)			
				TYPE OF SYSTEM	MINIMUM	MAXIMUM	RECOMMENDED
20:1	2.4*	1/4" NPT FEMALE	1/4" NPT FEMALE				
				SL-42 SL-43	750 with 40 P.S.I. Air	1,000 with 50 P.S.I. Air	850 with 45 P.S.I. Air

\*Based on lubricants that are free of entrapped air. Lubricants that are aerated will reduce output of pump.

The 82676 Pump is used as the pumping unit for a centralized lubrication system having a single line circuit of SL-42 Injectors and/or SL-43 Injectors.

It is an air operated, single stroke pump requiring air for both forward and return stroke and discharges \*2.4 cu. in. of fluid lubricant into the circuit for each pump stroke (Lubrication cycle).

The total quantity of lubricant needed for the lubrication cycle of the system must not exceed the amount of lubricant discharged per pump stroke.

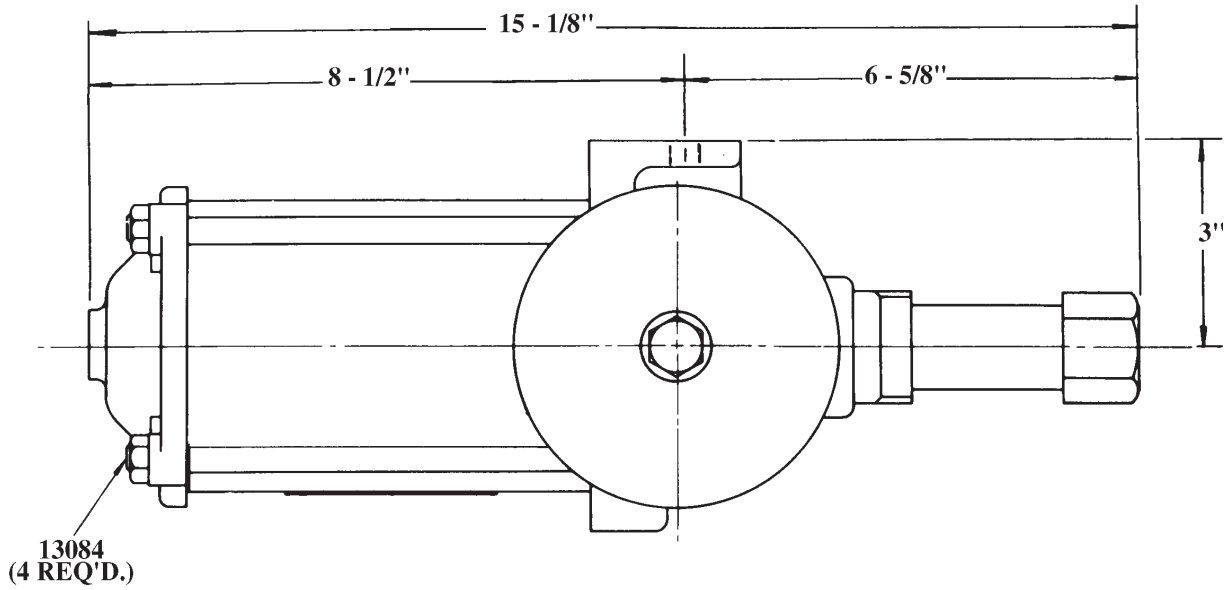


**TO PRIME SYSTEM**

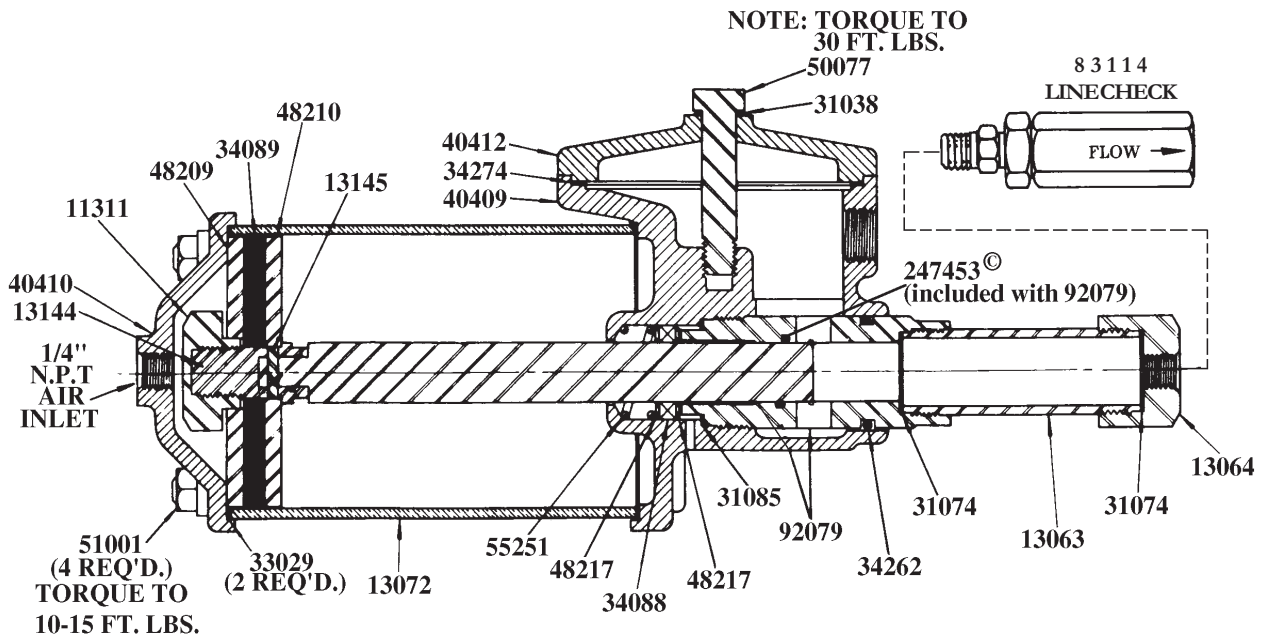
**SUPPLY LINES:** After pump reservoir has been filled with recommended lubricant, loosen (do not remove) all plugs in dead ends of the injector manifolds and supply lines. Operate pump until lubricant flows from around threads of any loosened plug. Tighten this plug and continue to operate pump until lubricant flows from around threads of another loosened plug. Repeat this procedure until all supply lines are primed.

**FEEDER LINES:** Fill each feed line with lubricant before connecting lines to outlet of injectors and bearings. This will prevent having to cycle each injector fill line between injector and bearing.

**INJECTORS:** Check each injector for proper operation. Injector stem moves when injector discharges lubricant to bearing. This may require cycling system several times. After checking injectors for operation, adjust injectors for the volume required for each bearing.



MODEL 82676  
 AIROPERATED  
 SINGLE STROKE PUMP  
 SERIES "F"

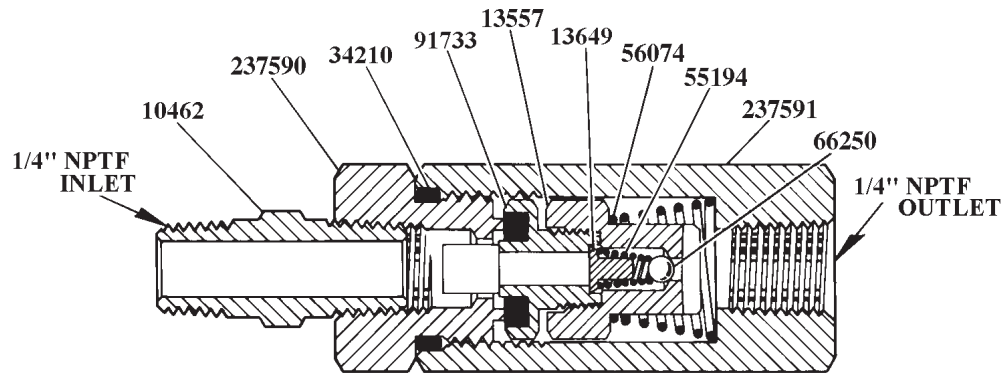


NOTE: TORQUE TO  
 30 FT. LBS.

8 3 1 1 4  
 LINECHECK

FLOW →

© Indicates change

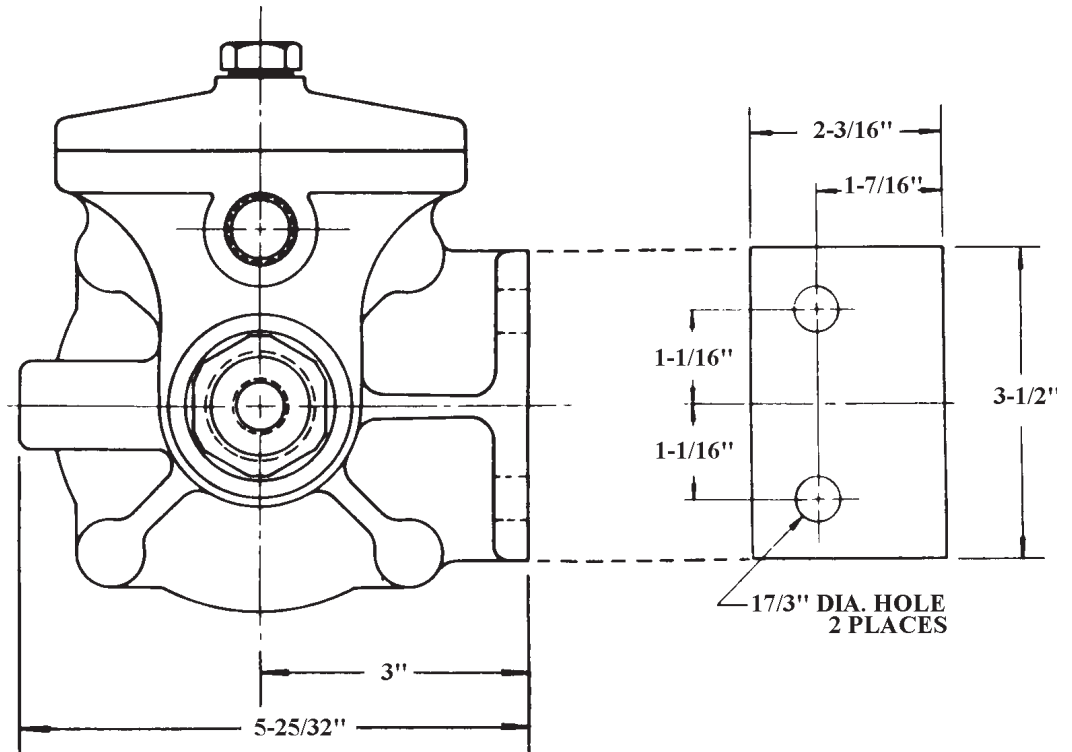


8 3 1 1 4  
LINECHECK

**TO CLEAN LINE CHECK 83114**

Remove 91733 Check and examine packing for presence of foreign particles. If packing is damaged, replace 91733 Check.

Remove 66250 Ball Check, 55194 Spring, and 13649 Ball Stop from 13557 Check Retainer. Examine for presence of foreign particles. Clean thoroughly.



**WHAT TO DO IF:**

**PUMP LOSES PRIME:** Check lubricant supply.

**SYSTEM FAILS TO CYCLE** and calculated system planning has been followed — Lubricant is leaking by packing of 91733 Check or 66250 Ball Check. Remove and clean. Failure of injectors to cycle can also be caused by leak in supply lines. Examine supply lines and connections.

**PUMP FAILS TO OPERATE** — check air supply 40 PSIG minimum required.

**SERVICE PARTS**

PART	QTY	DESCRIPTION	PART	QTY	DESCRIPTION
10462	1	Nipple	40409	1	Body casting
11311	1	Piston nut	40410	1	Cylinder cap
13063	1	Pump tube	40412	1	Body cap
13064	1	Outlet	48209	1	Washer
13072	1	Air cylinder	48210	1	Washer
13084	4	Tie rod	48217	2	Washer
13144	1	Packing stud	50077	1	Bolt
13145	1	Pin	51001	4	Nut
13557	1	Check retainer	*55194	1	Spring
13649	1	Ball stop	55251	1	Spring
31038	1	Gasket	56074	1	Spring
*31074	2	Gasket	*66250	1	Steel Ball
*31085	1	Gasket	83114	1	Line check assembly
*33029	2	Gasket	*91733	1	Check
*34088	1	Packing (Nitrile)	92079	1	Bushing & plunger
*34089	1	Packing (Nitrile)	237590	1	Check seat
*34210	1	O-ring (Nitrile)	237591	1	Check body
*34262	1	O-ring (Nitrile)	247453	1	O-ring (Nitrile) ©
*34274	1	Gasket (Neoprene)			

\*Recommended Service Parts Inventory

© Indicates change

**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.