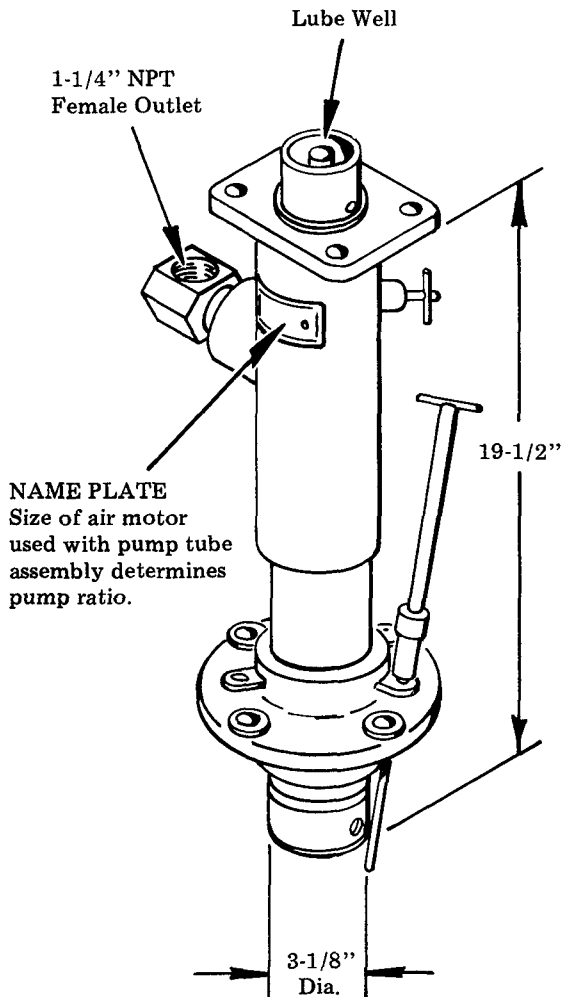
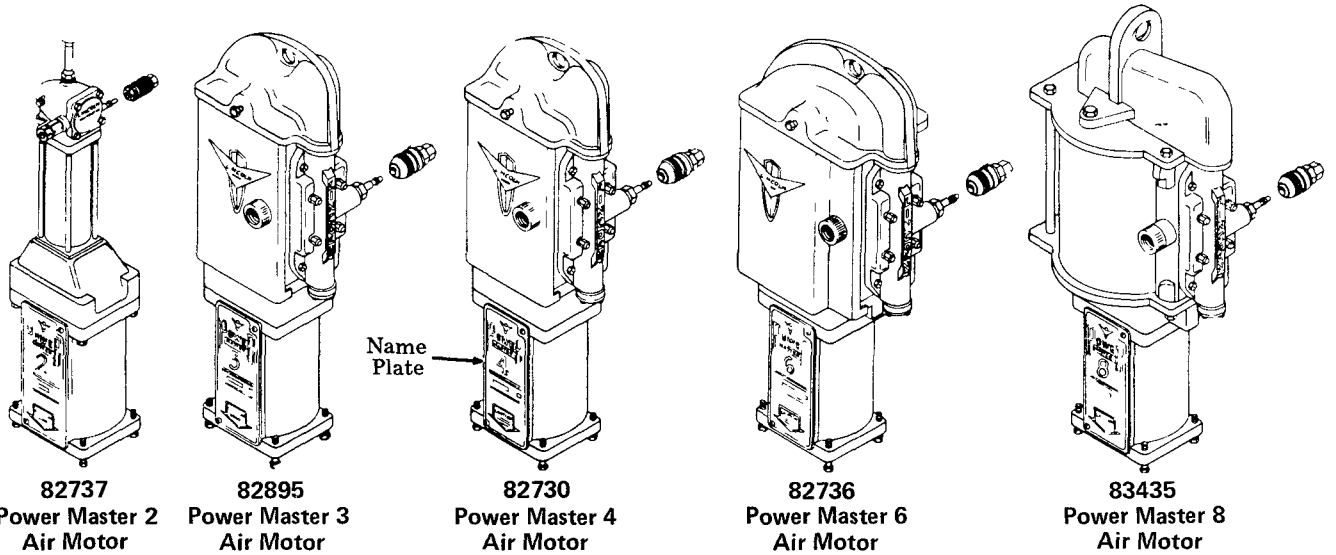


# PILEDRIVER PUMP

DO NOT OPERATE THIS UNIT WITH COMBUSTIBLE GAS

# Model 2103, 2123, 2143, 2163, 2183, 83603



### GLAND PACKING LUBE WELL

Many materials such as ink, undercoating, buffing compounds etc., display a tendency to build up and dry out on the pump rod. These hard dried out materials cause the gland packings to wear out rapidly, resulting in leakage. If the material can be prevented from drying and hardening on the pump rod the gland packings can be expected to have a normal service life.

The lube well should be filled with a fluid compatible with the material that is to be pumped. This fluid will prevent the material from drying out on the pump rod and becoming abrasive.

The lube well is accessible for inspection and filling by removing the Power Master name plate from the side of the air motor.

Do not fill lube well to full capacity as the reciprocating movement of the air motor piston rod may draw the fluid into the air motor.

SPANNER WRENCH: 69278 For Pump Tube Disassembly.  
TEFLON GLAND KIT. 83962

Model No.	Power Master Air Motor	Pump Tube	Ratio	Max Air Pressure
2103	82737	83603	4:1	200
2123	82895	83603	6:1	200
2143	82730	83603	12:1	200
2163	82736	83603	24:1	100
2183	82435	83603	42:1	100

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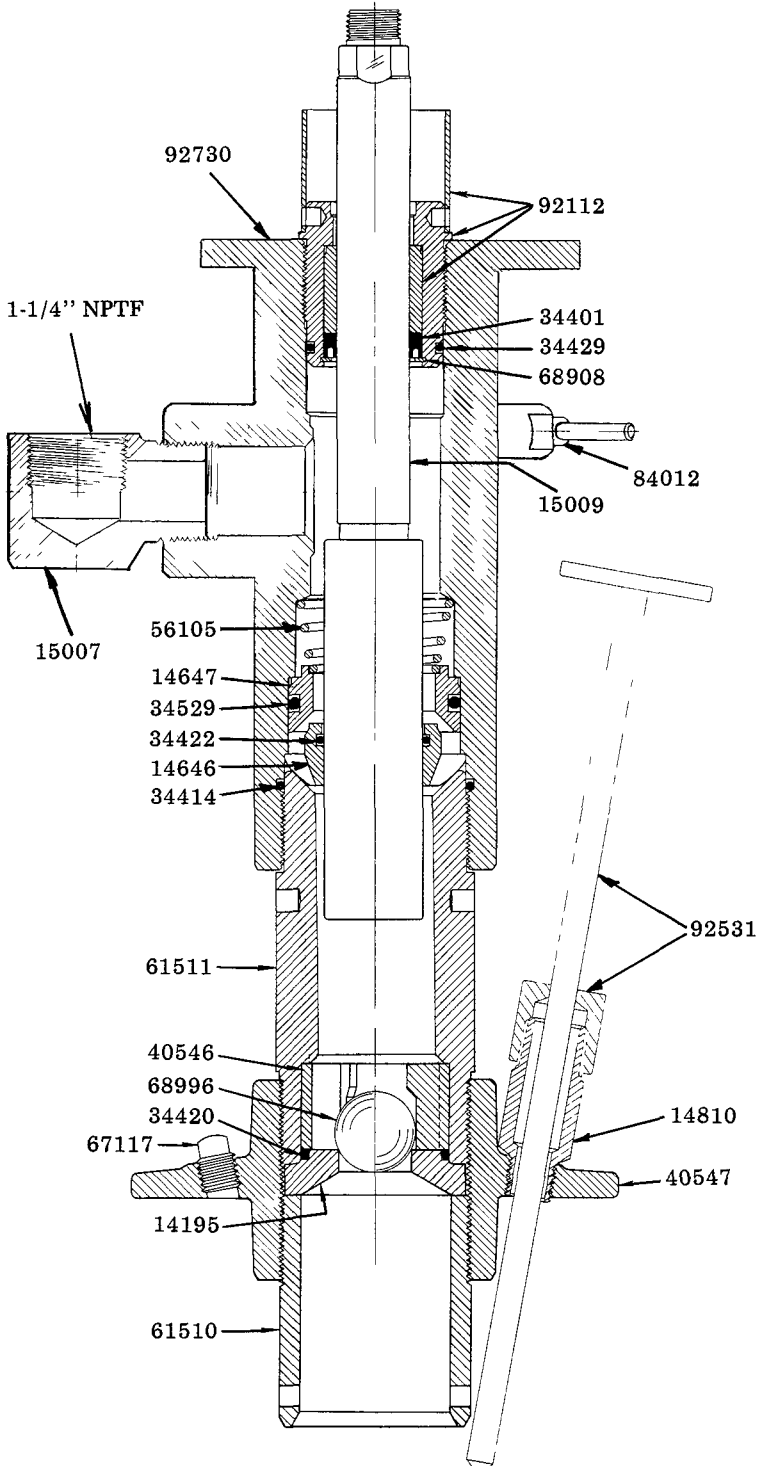
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PAGE **-30C**

**83603  
PUMP TUBE ASSEMBLY  
SERIES "D"**

**SERVICE OF LOWER PUMP TUBE**

Loss of volume and pressure or continuous operation of pump when not in normal use indicates:

1. Material supply in drum may not be adequate.
2. Air supply may not be adequate. Check setting of air regulator of air supply line.
3. Pump may operate on the "down stroke" only, due to material by-passing around the 14647 check. Inspect Check, 14646 check bushing, 34529 "O" ring, and 34422 "O" ring for wear. Replace parts if necessary.
4. Pump is operating but not dispensing material. 68996 check in foot valve is not seating. Inspect check and seat for foreign particles or wear. Replace parts if necessary.
5. Material by-passing "U" cup packing in gland assembly. Inspect "U" cup packing and replace if necessary.
6. Piston rod may be scored, pitted or worn. Replace Piston rod.



**SERVICE PARTS**

PART NO.	QUAN.	DESCRIPTION
14195	1	Check Seat
14646	1	Check Bushing
14647	1	Check
14810	1	Adapter
15007	1	Str. Elbow
15009	1	Plunger
34401	1	U-Cup Packing
34414	1	O-Ring
34420	1	O-Ring
34422	1	O-Ring
34429	1	Tetraseal
34529	1	O-Ring
40546	1	Ball Cage Casting
40547	1	Adapter Plate Casting
56105	1	Check Spring
61510	1	Tube
61511	1	Tube
67117	1	Pipe Plug
68908	1	Retaining Ring
68996	1	Ball
84012	1	Bleeder Valve
92112	1	Bushing & Gland Nut Assem
92531	1	Priming Plug Assembly
92730	1	Outlet Body Assembly

**RETAIN THIS INFORMATION FOR FUTURE REFERENCE**

When ordering replacement parts, list: Part Number, Description, Model Number, and Series Letter.

LINCOLN ST. LOUIS provides a Distributor Network that stocks equipment and replacement parts.

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