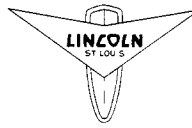
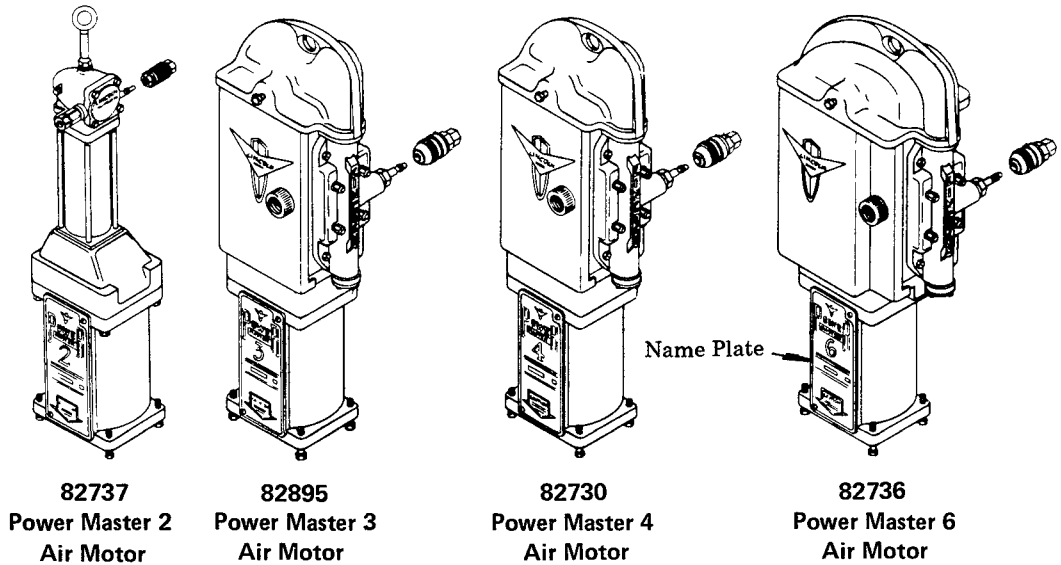


PILEDRIIVER PUMP



**Model 2116, 2136,
2156, 2176,
83616**

**DO NOT OPERATE THIS
UNIT WITH COMBUSTIBLE GAS**

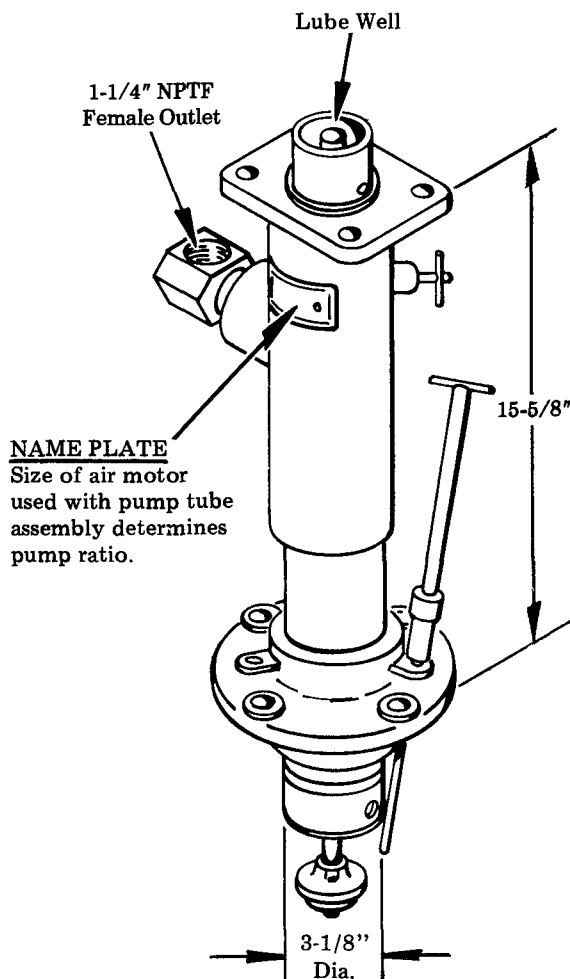


**82737
Power Master 2
Air Motor**

**82895
Power Master 3
Air Motor**

**82730
Power Master 4
Air Motor**

**82736
Power Master 6
Air Motor**



NAME PLATE
Size of air motor
used with pump tube
assembly determines
pump ratio.

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: 83966

Model No.	Power Master Air Motor	Pump Tube	Ratio	Max Air Pressure
2116	82737	83616	12:1	200
2136	82895	83616	18:1	200
2156	82730	83616	36:1	200
2176	82736	83616	72:1	100

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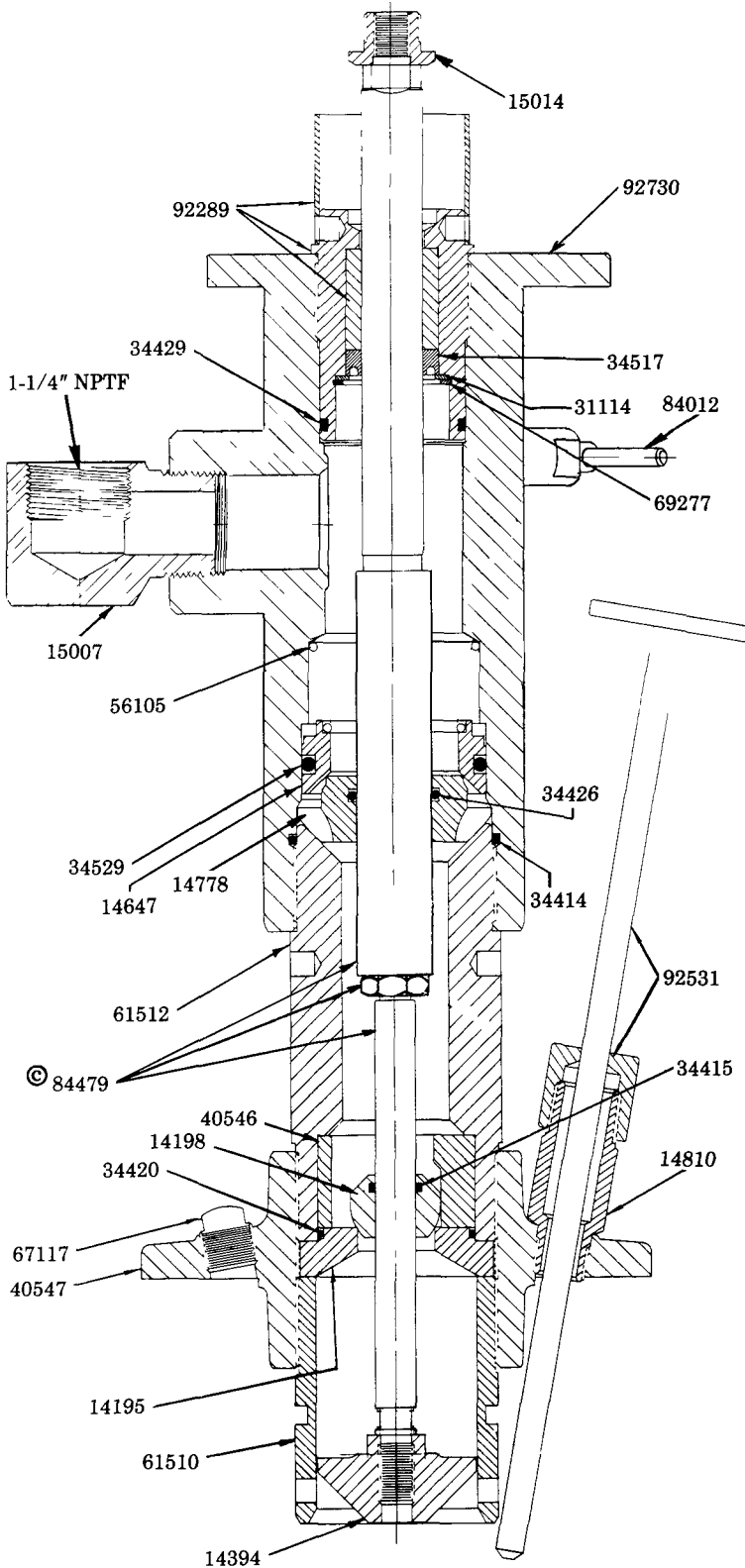
**SECTION -A50
PAGE -37D**

**83616
PUMP TUBE ASSEMBLY
SERIES "C"**

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, 14778 Check Bushing, 34529 O-ring, and 34426 O-ring for wear. Replace parts if necessary.
- 4) Pump is operating but not dispensing material. 14198 Check in foot valve is not seating. Inspect check and 14195 Check Seat for foreign particles or wear. Replace parts if necessary.
- 5) Material by-passing 34517 U-cup Packing in gland assembly. Inspect U-cup packing and replace if necessary.
- 6) Inspect for roughness or score marks on 84479 Plunger & Rod Assembly. Replace assembly if needed.



SERVICE PARTS

PART	DESCRIPTION
14195	Check seat
14198	Check
14394	Priming plunger nut
14647	Check
14778	Check bushing
14810	Adapter
15007	Street elbow
15014	Coupling adapter
31114	Gasket
34414	O-ring
34415	O-ring
34420	O-ring
34426	O-ring
34429	Tetraseal
34517	U-cup packing
34529	O-ring
40546	Ball cage casting
40547	Adapter plate casting
56105	Check spring
61510	Tube
61512	Tube
67117	Pipe plug
69277	Retaining ring
84012	Bleeder valve
84479	Plunger & rod assembly
92289	Bushing & gland nut assembly
92531	Priming plug assembly
92730	Outlet body assembly

© Indicates Change

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.