611112

HAND LUBRICATOR

IMPORTANT: READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING THIS EQUIPMENT.

OPERATING PRECAUTIONS

Use ARO replacement parts to assure compatible pressure rating. Read All Warnings and Safety Instructions carefully before operation of this unit.

HEED ALL WARNINGS.

CAUTION: When pumping, flushing or recirculating volatile solvents, the area must be adequately ventilated.

CAUTION: Materials and solvent being pumped must be compatible with the parts of the pump that become wetted when in contact with material or solvent.

CAUTION: Keep solvents away from heat, sparks and open flames, keep container closed when not in use.

WARNING:

PREVENT STATIC SPARKING If static sparking occurs, fire or explosion could result. Pump, dispensing valve, and containers must be grounded when handling inflammable fluids such as petroleum products, paints, lacquers, etc. and wherever discharge of static electricity is a hazard.

PUMP ASSEMBLY

1. Remove the pins, clips and link from bag. Assemble the (2) Hand Lever in the 2:1 position as shown on reverse side of this sheet. Be sure the cross-pin in the link is "up" next to handle. Other ratios may be had by assembling the link according to number stamped on pump and hand lever.
2. Assemble (1) hose to the material outlet. Be sure all threads are tight.
3. Pump may be primed by removing accessories from (20) pump body and pouring about 1/2 pint of No. 20 oil in the pump. Operate the hand lever until pump is primed and then replace the accessories.

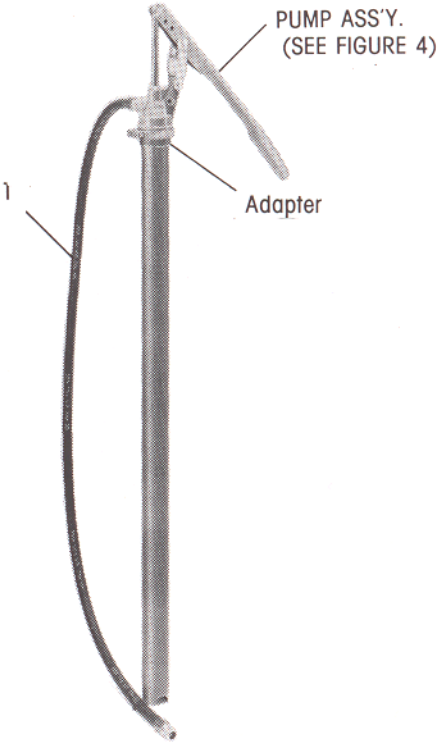

FIGURE 1

RATIO ADJUSTMENT

The Aro multi-purpose hand operated pumps are designed so the ratio can be easily adjusted to handle any viscosity fluid.

The diagram ilustrates the location of the linkage to obtain any one of the three different ratios.

The lower the ratio is set, the more volume of fluid will be dispensed with each stroke. However, the heavier the viscosity of the fluid, the higher the ratio should be and the volume per stroke will be reduced accordingly.

Therefore, the unit should be set at the ratio at which you receive the most volume and the unit still operates with an easy stroking effort.

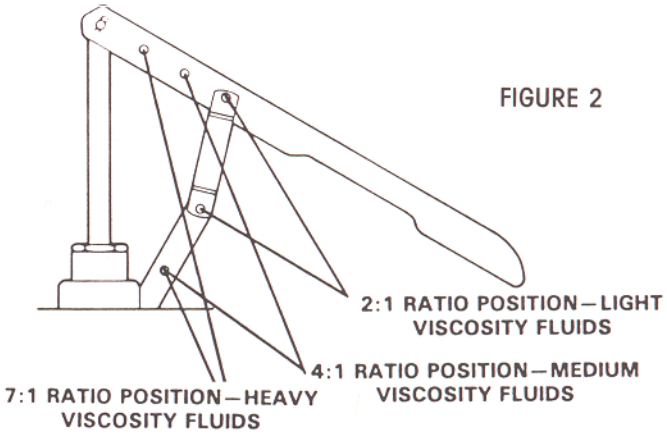

FIGURE 2

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PARTS LIST

REF.	DESCRIPTION (SIZE IN INCHES)	(QTY.)	PART NO.
1	Material Hose	(1)	621501-05
2	Lever	(1)	72001-1
3	Pin	(1)	72834
4	Pin	(1)	72833
5	Retainer	(3)	72835
6	Link	(1)	72027
7	Rod	(1)	72022-4

REF.	DESCRIPTION (SIZE IN INCHES)	(QTY.)	PART NO.
8	Gland	(1)	72058
9	Packing	(2)	72021
10	Pump Body	(1)	72012
11	Gasket	(1)	72056
12	Tube	(1)	72019-4
13	Spring	(1)	72018
14	Valve Plate	(1)	72042
15	Seal Ring	(1)	72061
16	Piston Body	(1)	72017
17	Lockwasher	(1)	Y1-616-C
18	Nut(3/8-24)	(1)	Y11-106-C
19	Intake Valve	(1)	72046

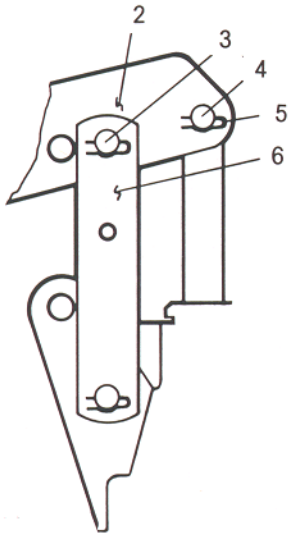

FIGURE 3

MAINTENANCE

Disassembly should be done on a clean work bench with clean cloths to keep parts clean.

If replacement parts are necessary, consult parts list for identification.

Periodically flush pump with a solvent that is compatible with material being pumped.

Caution should be used at all times to maintain clean lubricants and fluids, to avoid contaminated liquids passing through foot valve and damaging Piston Rod Assembly.

TROUBLE SHOOTING

1. If pump fails to operate, the ratio setting may be too low for material being pumped. If this is not the case, check suction tube for damage or obstruciton.
2. If pump operates, but dispenses little or no lubricant, remove Foot Valve Assembly and check for foreign matter which may be holding valve plate off seat. Also, make sure valve plate or seat is not bent or scored.
3. If leakage occurs between plunger rod and gland, tighten nut just enough to stop leakage. Do not over tighten as this will cause excessive packing wear and harden pumping action.

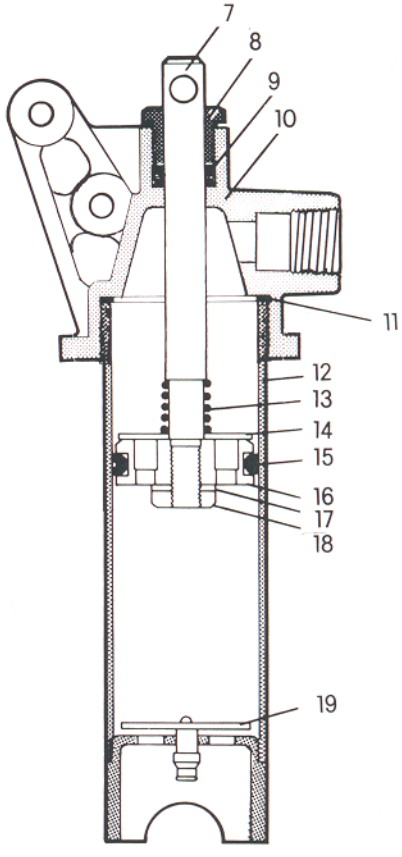

FIGURE 4

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