

# OPERATOR'S MANUAL

# 104157

INCLUDING: OPERATION, INSTALLATION & MAINTENANCE

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(REV. B)

## 104157

### PUMP ASSEMBLY

(FOR "QUICK FILL" LUBRICATORS)



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

It is the responsibility of the employer to place this information in the hands of the operator. Keep for future reference.

## OPERATING AND SAFETY PRECAUTIONS

HIGH PRESSURE DEVICE  
READ SERVICE MANUAL BEFORE OPERATING.  
OBSERVE ALL WARNINGS.

**INJECTION HAZARD** - Airless spraying equipment can cause serious injury if the spray penetrates the skin. Do not point the gun or nozzle at anyone or at any part of the body. In case of injection, medical aid must be immediately obtained from a physician.

**COMPONENT RUPTURE** - This system is capable of producing high fluid pressure as stated on pump model plate. To avoid component rupture and possible injury, regulate inlet air pressure so outlet pressure does not exceed maximum working pressure of any component in the system.

**FIRE** - Static voltage is developed by airless spraying. The system, associated equipment and object being sprayed must be grounded to prevent static sparking which may cause a fire or explosion.

**SERVICING** - Before servicing, cleaning, or removing any part, always shut off power source, carefully release pressure in fluid portion of the system and set safety lock "ON" on gun(s).

## PUMP ASSEMBLY

- Remove the pins, washers, cotter pins and link from bag. Assemble hand lever in position as shown in Figure 1.
- Connect hose assembly to the pump.
- Pump may be primed by pouring about 1/2 pint of No. 20 oil in the pump. Operate the hand lever until pump is primed.

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

## TROUBLE SHOOTING

- If pump operates, but dispenses little or no material, remove extension tube and check for damage to piston cups or extension tube.
- If leakage occurs between plunger rod and gland, tighten nut just enough to stop leakage. Do not overtighten as this will cause excessive packing wear and harden pumping action.

MODEL 104157



FIGURE 1

## MAJOR COMPONENTS CHECK LIST

ITEM	Description	(Qty)	Part No.
A	Hand Lever	(1)	4279
B	Cotter Pin (3/32" dia. x 1/2")	(3)	Y15-31-C
C	Pin	(2)	F303-1
D	Washer	(4)	76945
E	Link	(1)	4278
F	Link and Pin Assembly	(1)	6100
G	Adapter	(1)	4280
H	Nipple	(1)	676
J	Swivel (see Figure 2)	(1)	2085
K	Button Head Adapter (see Figure 3)	(1)	2086
L	Standard Button Head Coupler	(1)	636020
M	Hose	(1)	623401-7
N	Bucket	(1)	2064
P	Carriage Bolt (5/16" - 18 x 2-1/4")	(2)	Y84-506-C
Q	Wing Nut (5/16" - 18)	(2)	Y89-9-C
R	Pump and Cover Assembly	(1)	see Figure 4

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## PARTS LIST

### 2085 1/8" STRAIGHT SWIVEL

ITEM	Description	(Qty)	Part No.
J1	Stem	(1)	4309
J2	Gland	(1)	2571
J3	Spacer	(1)	2572
J4	Packing	(2)	F26-25
J5	Sleeve	(1)	2570
J6	Spring	(1)	F51-62
J7	Washer	(1)	F15-45

FIGURE 2

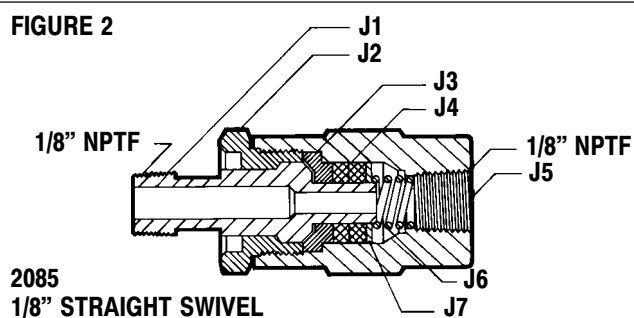
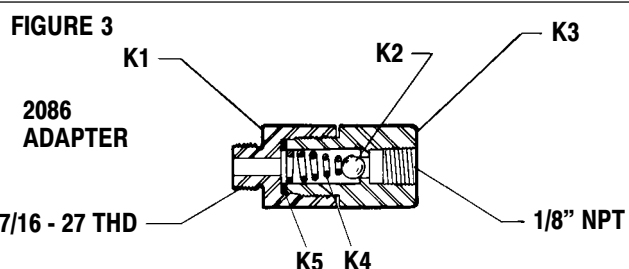


FIGURE 3



### PUMP AND COVER ASSEMBLY

ITEM	Description	(Qty)	Part No.
R1	Pump Base Assembly	(1)	61217
R2	Packing Gland	(1)	4276
R3	Packing	(4)	F26-52
R4	Washer	(2)	F15-60
R5	Bushing (1/2" NPT x 3/8" NPT)	(1)	Y45-106-C
R6	Body	(1)	4277
R7	Packing Spacer	(1)	4294
R8	Screw (5/16" - 18 x 7/8")	(3)	Y8-510-C
R9	Lockwasher (5/16")	(3)	Y14-516
R10	Square Nut (5/16" - 18)	(3)	Y87-2
R11	Cover Assembly	(1)	2151
R12	Extension Tube	(1)	4270
R14	Rod	(1)	4275
R15	Tube	(1)	4274
R16	Ball (.2812" o.d.)	(1)	Y16-9
R18	Adapter Sleeve	(1)	4272
R19	Gasket	(1)	F61-61
R20	Cup	(2)	F19-47
R21	Sleeve	(1)	4271
R22	Plunger Assembly	(1)	2066
R23	Pump Rod and Outer Tube Asm	(1)	61216

### PUMP AND COVER ASSEMBLY

