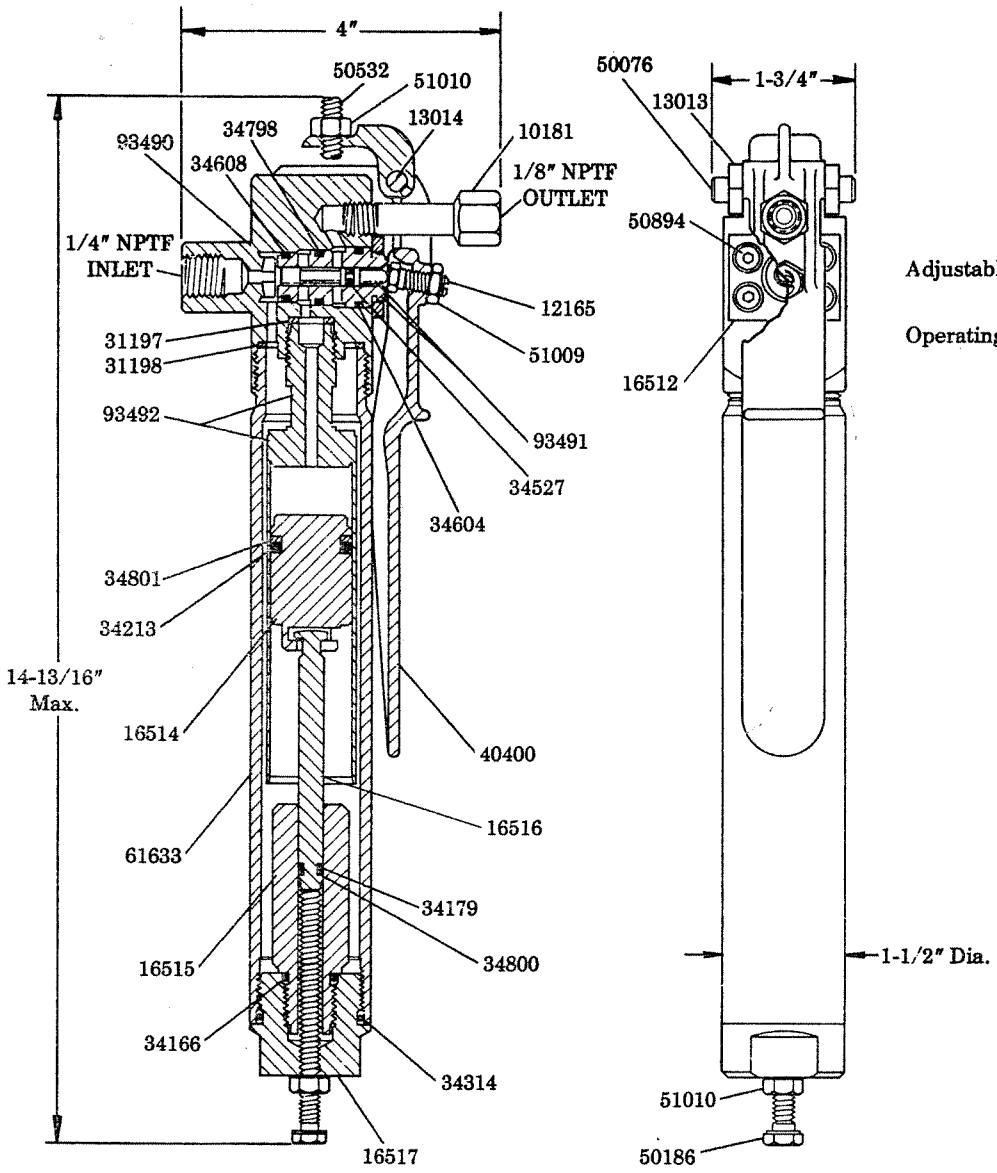
MEASURING VALVE

FOR FLUID LUBRICANT OR N.L.G.I. #0 AND #1 GREASE.

Model 84523

Series "A"



SPECIFICATIONS

Adjustable Output: .045 oz. (.081 cu. in.) min.
1.000 oz. (1.8 cu. in.) max.

Operating Pressure: 500 psi min.
5000 psi max.

SERVICE PARTS

PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION
10181	1	Adapter	34166	1	O-ring	50076	4	Screw
12165	1	Adjusting screw	34179	1	O-ring	50186	1	Screw
13013	2	Toggle	34213	1	O-ring	50532	1	Screw
13014	1	Pin	34314	1	O-ring	50894	4	Screw
16512	1	Bushing retainer	34527	1	O-ring	51009	1	Nut
16514	1	Piston	34604	1	O-ring	51010	2	Nut
16515	1	Piston housing	34608	1	O-ring	61633	1	Tube
16516	1	Piston	34798	1	O-ring	93490	1	Body
16517	1	Adjustment housing	34800	1	Back-up ring	93491	1	Bushing & plunger assembly
31197	1	Gasket	34801	1	Back-up ring	93492	1	Measuring chamber
31198	1	Gasket	40400	1	Handle			

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OPERATING INSTRUCTIONS

The Model 84523 Measuring Valve is designed to dispense measured quantities of oils, and lubricants initially pumped from power operated lubriguns.

INSTALLATION

The measuring valve can be mounted in either a vertical or horizontal stationary position by ordering an optional 81862 Mounting Bracket (see Fig. 1).

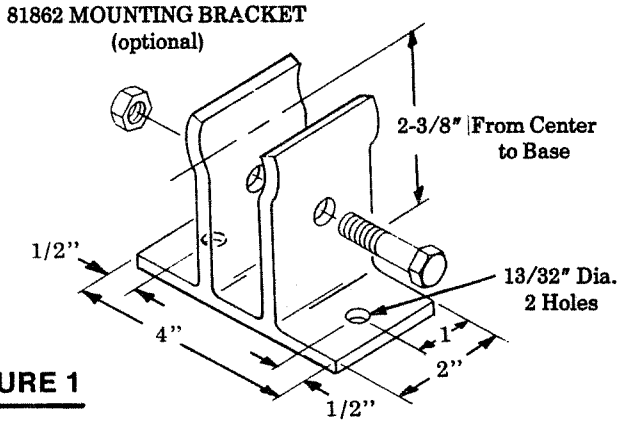

FIGURE 1

ADJUSTMENT

The volume of lubricant dispensed with each depression of the handle is regulated by the volume adjusting screw. Loosen lock nut and turn adjusting screw to right to decrease volume and to left to increase volume.

Set plunger adjusting screw (see Fig. 2) by holding handle down to where handle contacts tube and turn plunger adjusting screw down until it contacts plunger bushing. Tighten lock nut.

Set handle stop screw (see Fig. 3) to where ground surface of plunger is flush with the top of the plunger bushing with plunger and handle in the up position. Tighten lock nut.

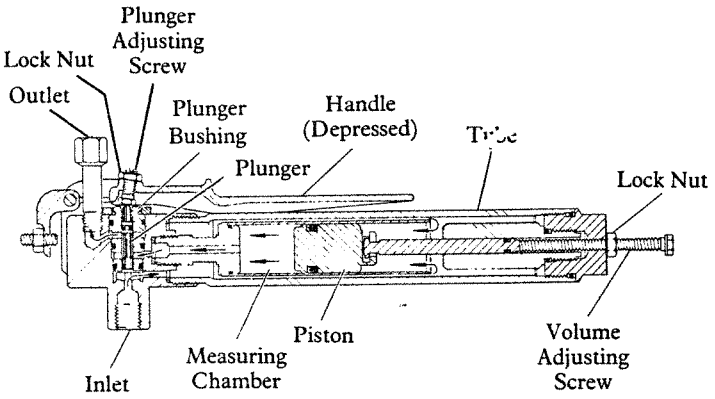

FIGURE 2

OPERATION

Figure 2. When handle is depressed, the lubricant entering inlet drives piston forward to force lubricant from measuring chamber through outlet. Position of plunger connects measuring chamber with outlet passage.

Figure 3. When handle is released, differential pressure forces piston back to permit lubricant entering inlet to fill measuring chamber. Position of plunger prevents lubricant from flowing out of outlet.

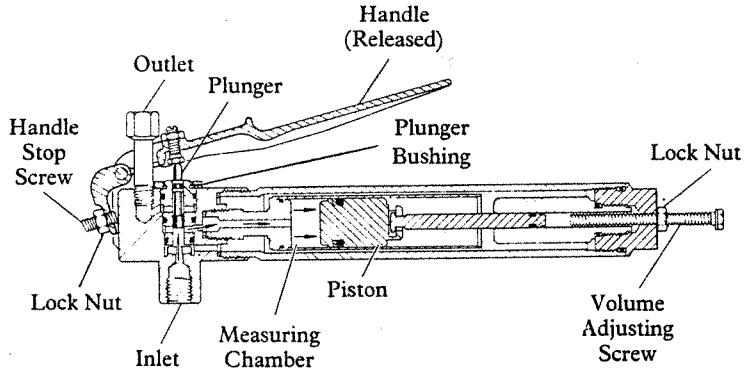

FIGURE 3

MAINTENANCE

Figure 2. If lubricant continues to flow from outlet when handle is depressed and measuring chamber is emptied, the plunger or the piston is worn or damaged and should be replaced.

Figure 3. If lubricant continues to flow from outlet after handle is released the plunger is worn or damaged and the 93491 Bushing and Plunger assembly should be replaced.

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