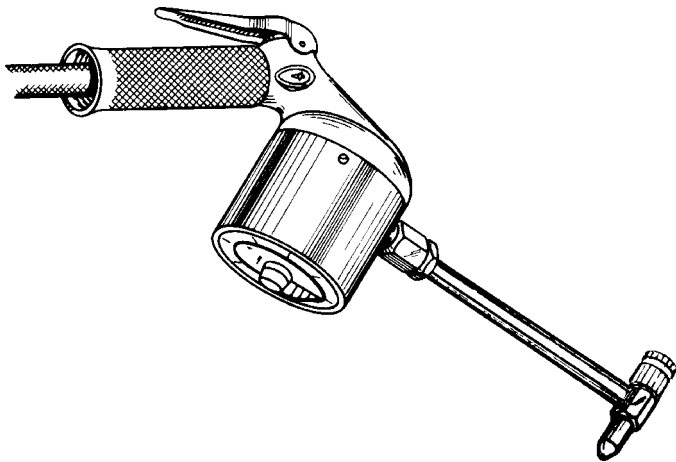




METERING CONTROL VALVE MODEL 878 AND 881 SERIES "A"



Meter	Refer to Service Page	Measure	Basic Meter
878	F22-2	PINTS (Totalizing)	870
881	F22-20	LITRES (Totalizing)	873

! CAUTION

NEW METERING SYSTEMS MUST BE PURGED PRIOR TO INSTALLATION OF METERING CONTROL VALVE TO FREE SYSTEM OF CONTAMINATES. BEFORE METER CAN BE PLACED IN SERVICE "AFTER REPAIR", METER MUST BE TESTED AND APPROVED IN ACCORDANCE WITH U.S. GOVERNMENTS WEIGHTS AND MEASURES STANDARDS.

! CAUTION

The metering control valve should be handled carefully since the meter must be considered as an instrument that will not stand abuse. Meter must be returned to the factory for all repairs.

! CAUTION

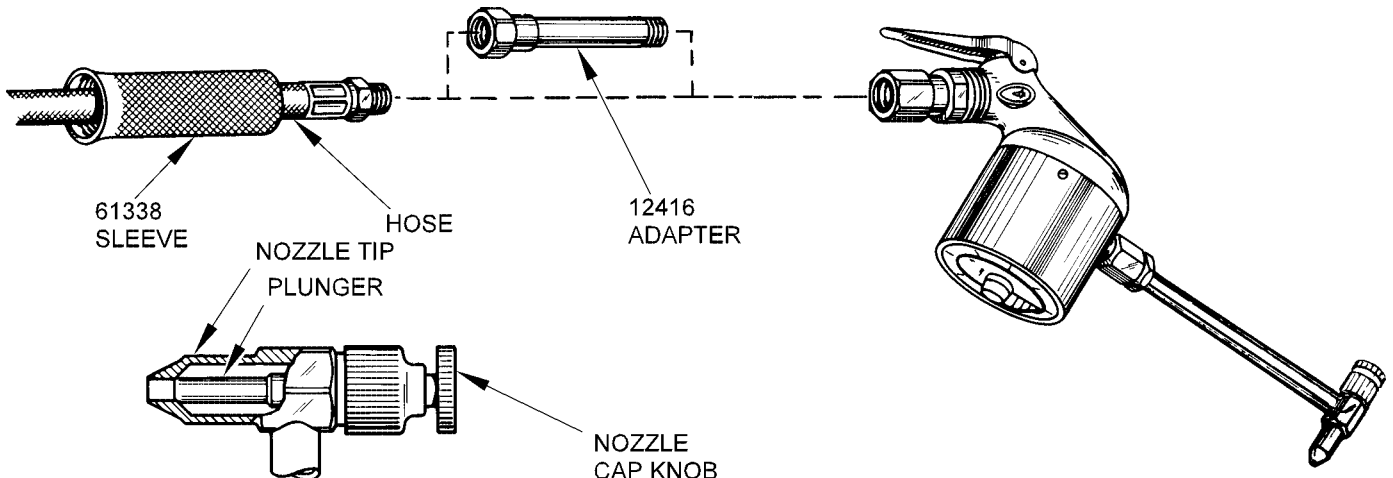
Always reset knob to zero by turning counterclockwise. IF TURNED CLOCKWISE, SEVER INTERNAL DAMAGE WILL OCCUR!

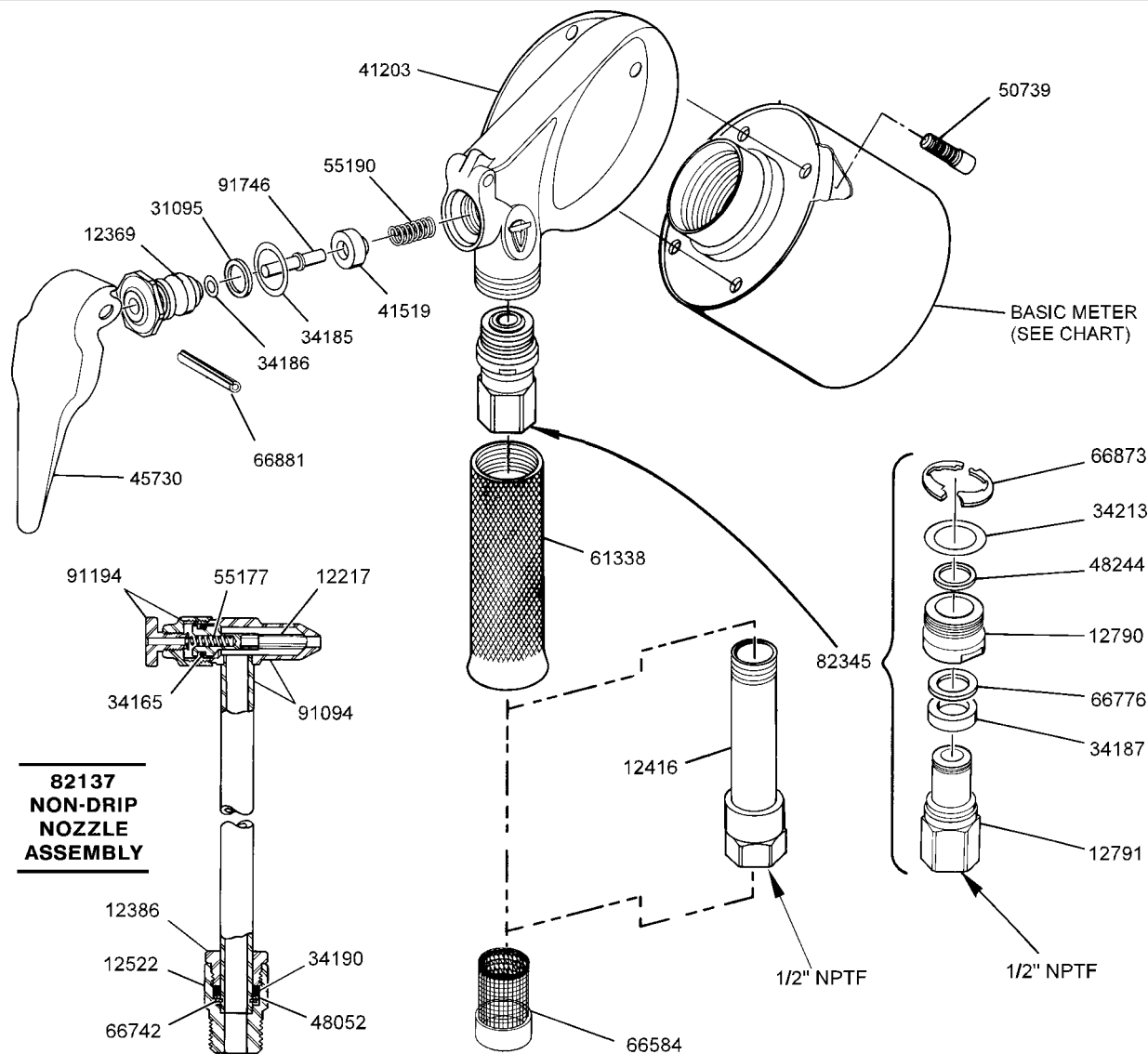
OPERATION OF CONTROL VALVE

The control valve is designed to allow the operator complete control of the volume of lubricant being dispensed. First unscrew the nozzle cap knob three or four revolutions. A slight compression of the valve handle will allow a small volume of lubricant to pass through the control valve, meter and nozzle. As the handle is further compressed the lubricant volume will increase. When the valve handle is released, a plunger in the nozzle tip prevents the lubricant from draining out of the extension. The nozzle should always be closed when the control valve is not being used. To close nozzle, turn the nozzle cap knob clockwise and tighten by hand.

If lubricant continues to flow from nozzle tip after the valve handle is released:

- 1) Lubricant is by-passing the 41519 Check. If sealing surface is cut or otherwise damaged, replace the 41519 Check To remove the valve handle, use slender punch to drive the 66881 Roll Pin out of the handle and valve casting.
- 2) Plunger in nozzle tip or seat of plunger is worn, pitted or damaged. Tighten and re-tighten nozzle cap knob several times with pliers to reseal the plunger.





IMPORTANT

The 41519 Check should hold the lubricant pressure back from the nozzle. Purpose of the plunger in the nozzle is not to stop the flow of lubricant when under pressure.

SERVICE PARTS

PART	QTY.	DESCRIPTION	PART	QTY.	DESCRIPTION	PART	QTY.	DESCRIPTION
12217	1	Plunger	34187	1	Packing	61338	1	Valve sleeve
12369	1	Gland nut	34190	1	Packing	66584	1	Strainer
12386	1	Swivel nut	34213	1	O-ring	66742	1	Retaining ring
12416	1	Adapter	41203	1	Valve body	66776	1	Spring washer
12522	1	Swivel body	41519	1	Check	66873	1	Retaining ring
12790	1	Swivel adapter	45730	1	Handle	66881	1	Roll pin
12791	1	Swivel stud	48052	1	Washer	82137	1	Non-drip nozzle ass'y.
31095	1	Gasket	48244	1	Washer	82345	1	Swivel assembly
34165	1	Packing	50739	4	Screw	91094	1	Nozzle body assembly
34185	1	O-ring	55177	1	Spring	91194	1	Cap assembly
34186	1	O-ring	55190	1	Spring	91746	1	Plunger

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