

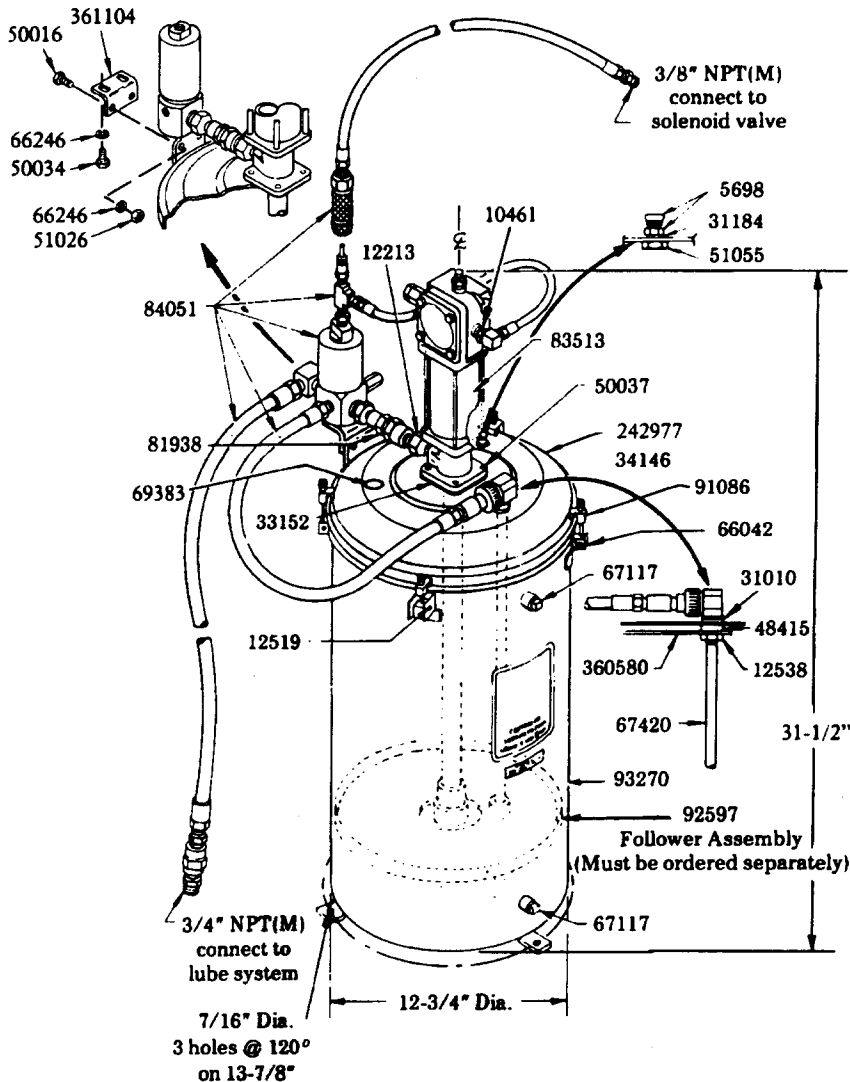
SPECIFICATIONS

PUMP RATIO — 50:1
 OUTPUT PER CYCLE — 0.55 CUBIC INCHES
 OUTPUT PER MINUTE — 30 CUBIC INCHES
 PUMP AIR SUPPLY PRESSURE — 50 PSI TO 70 PSI
 OPERATING LINE PRESSURE — 2500 PSI NORMAL
 3500 PSI MAXIMUM
 CONTAINER CAPACITY — 60 LBS BULK

**AIR OPERATED, 60 LB. CONTAINER
 HIGH PRESSURE 2,500 PSI**

Refer to separate sheets:

83513 Pump	—	Form Number 10L083513000
84640 Control	—	Section C8, page 178 Series



DESCRIPTION

The Model 84050 is a pumping unit designed to operate a centralized lubrication system. It has a high volume output, delivering thirty cubic inches of lubricant per minute at typical Centro-Matic® pressures. It is fully automatic when used with Model 84640 Control. Pump is double acting, dispensing lubricant on both the UP and DOWN strokes. This unit is designed to be used with SL-1, SL-11, SL-32 and SL-33 series injectors or a combination of these.

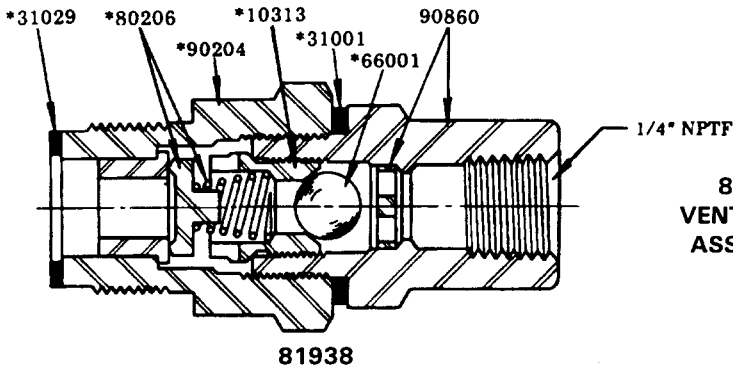
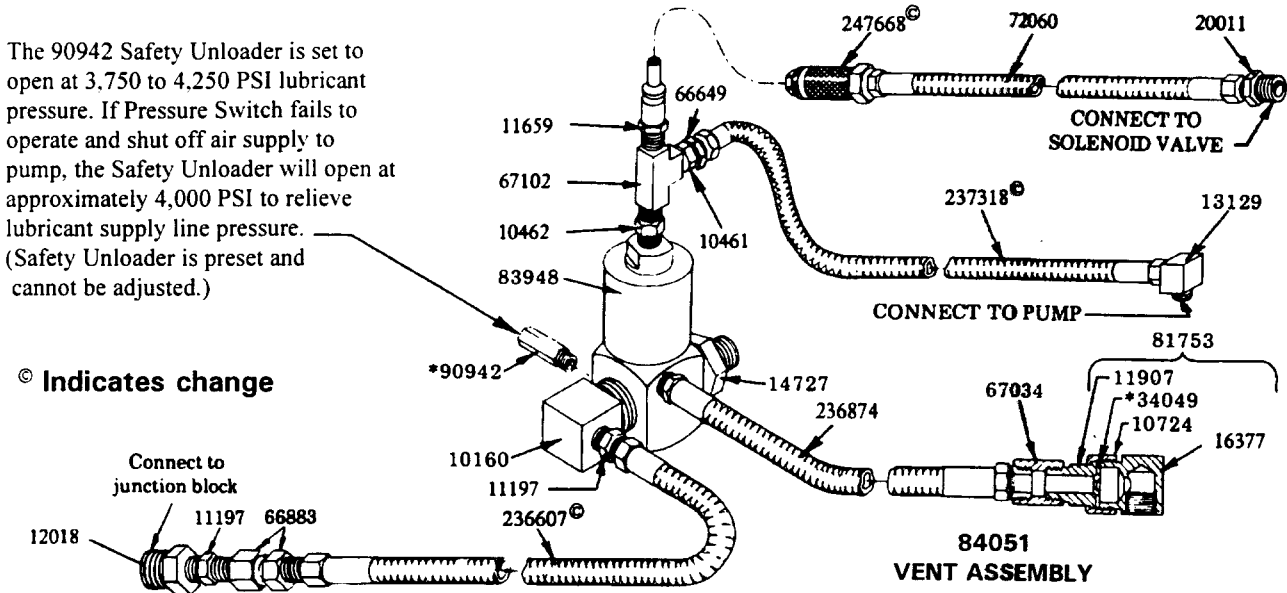
**OPERATION 84640 - WITH
 MODEL 85530 SYSTEM
 CONTROLLER**

When Model 85530 times out, it will initiate a lube cycle. The air solenoid is energized to delivery air to the pump and air to the vent valve. Pump begins dispensing lubricant through injectors to the bearings.

When all bearings have received lubricant, pressure rises in system to actuate pressure switch. When pressure switch actuates, the control is reset to de-energize solenoid valve cutting off air to pump and vent valve. Pump stops, pressure vents and pressure switch de-actuates. Control begins timing toward next lube event.

The 90942 Safety Unloader is set to open at 3,750 to 4,250 PSI lubricant pressure. If Pressure Switch fails to operate and shut off air supply to pump, the Safety Unloader will open at approximately 4,000 PSI to relieve lubricant supply line pressure. (Safety Unloader is preset and cannot be adjusted.)

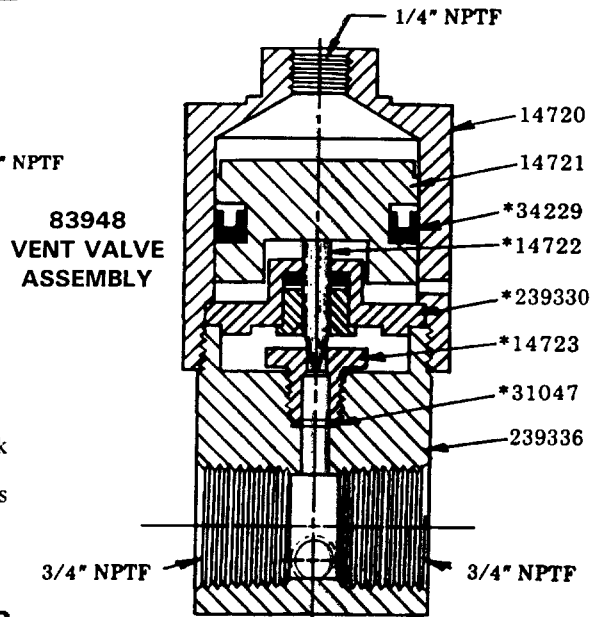
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81938 OUTLET CHECK ASSEMBLY

The pump will not build up sufficient lubricant pressure if the outlet check is fouled. Foreign material may lodge beneath the 66001 ball check or between 80206 check disc and the seat of 90204 bushing. Sealing surfaces of the seat must form perfect seal.

Clean parts or replace if pitted, worn, or scored.



83948 VENT VALVE ASSEMBLY

SERVICE PARTS

Part	Qty.	Description	Part	Qty.	Description	Part	Qty.	Description
5698	1	Vent Fitting	*31010	2	Gasket	67420	1	Vent Pipe
10160	1	Elbow	*31029	1	Gasket	69383	1	Knockout plug
*10313	1	Ball check seat	*31047	1	Check seat gasket	72060	1	Air hose
10461	2	Bushing	31184	1	Gasket	*80206	1	Pump check disc ass'y
10462	1	Nipple	33152	1	Gasket	81753	1	Elbow union
10724	1	Elbow union nut	*34049	1	Elbow union gasket	81938	1	Outlet check assembly
11197	2	Nipple	*34146	1	Cover gasket	83513	1	Bare pump assembly
11659	1	Male fitting	*34229	1	Packing	83948	1	Vent valve assembly
11907	1	Check union nipple	48415	4	Washer	84051	1	Vent assembly
12018	1	Bushing	50016	2	Screw	*90204	1	Outlet check bushing
12213	1	Adapter	50034	2	Screw	90860	1	Outlet connector
12519	4	Fastener	50037	4	Screw	*90942	1	Safety unloader ass'y
12538	1	Nut	51026	2	Nut	91086	4	Latch assembly
13129	1	Elbow	51055	1	Nut	93270	1	Container assembly
14720	1	Air cylinder	*66001	1	Steel ball (3/8" Dia.)	236607	1	Delivery hose ©
14721	1	Piston	66042	4	Cotter pin	236874	1	Volume hose
*14722	1	Needle	66246	4	Lockwasher	237318	1	Air hose ©
*14723	1	Valve seat	66649	1	Union adapter	*239330	1	Viton packing ass'y
14727	1	Nipple	66883	1	Adapter union	239336	1	Valve body
16377	1	Check housing	67034	1	Pipe coupling	242977	1	Drum cover assembly
20011	1	Bushing	67102	1	Tee (1/4")	247668	1	Air coupler ©
*31001	1	Gasket	67117	2	Pipe plug	360580	1	Bracket assembly
						361104	1	Bracket