

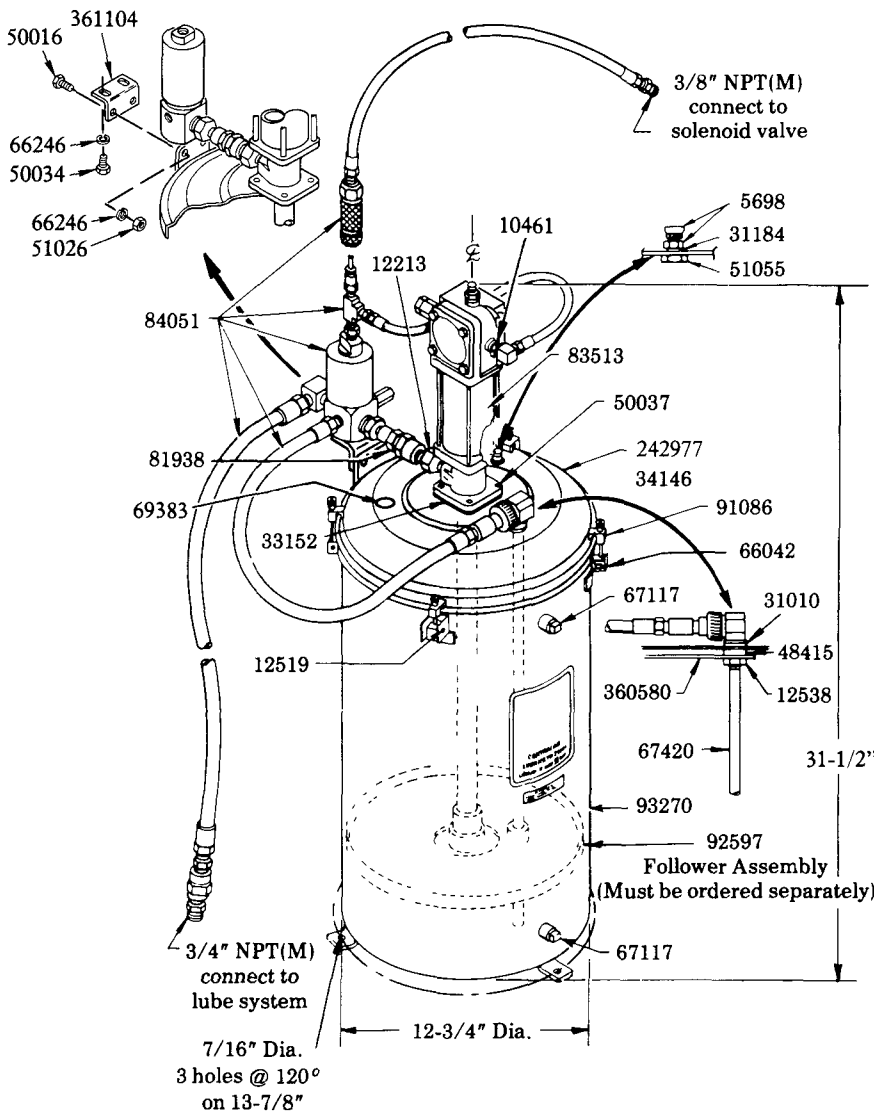
**AIR OPERATED, 60 LB. CONTAINER**  
**HIGH PRESSURE 2,500 PSI**

**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

Refer to separate sheets:

815 Air Coupler	—	Section G9, page 2 Series
83513 Pump	—	Section A5, page 7 Series
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.

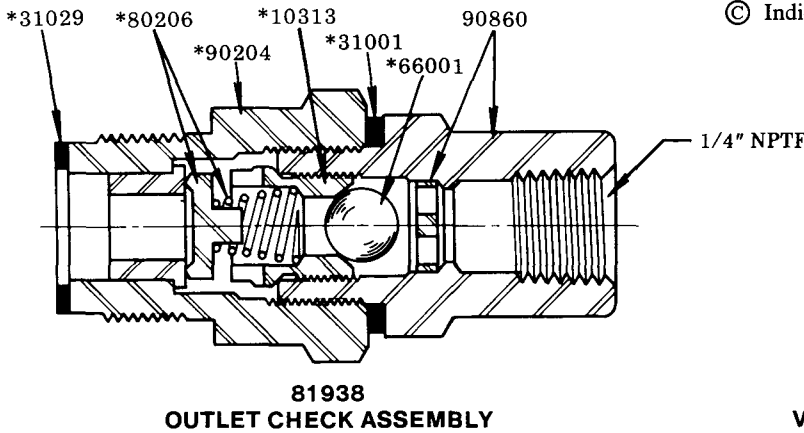
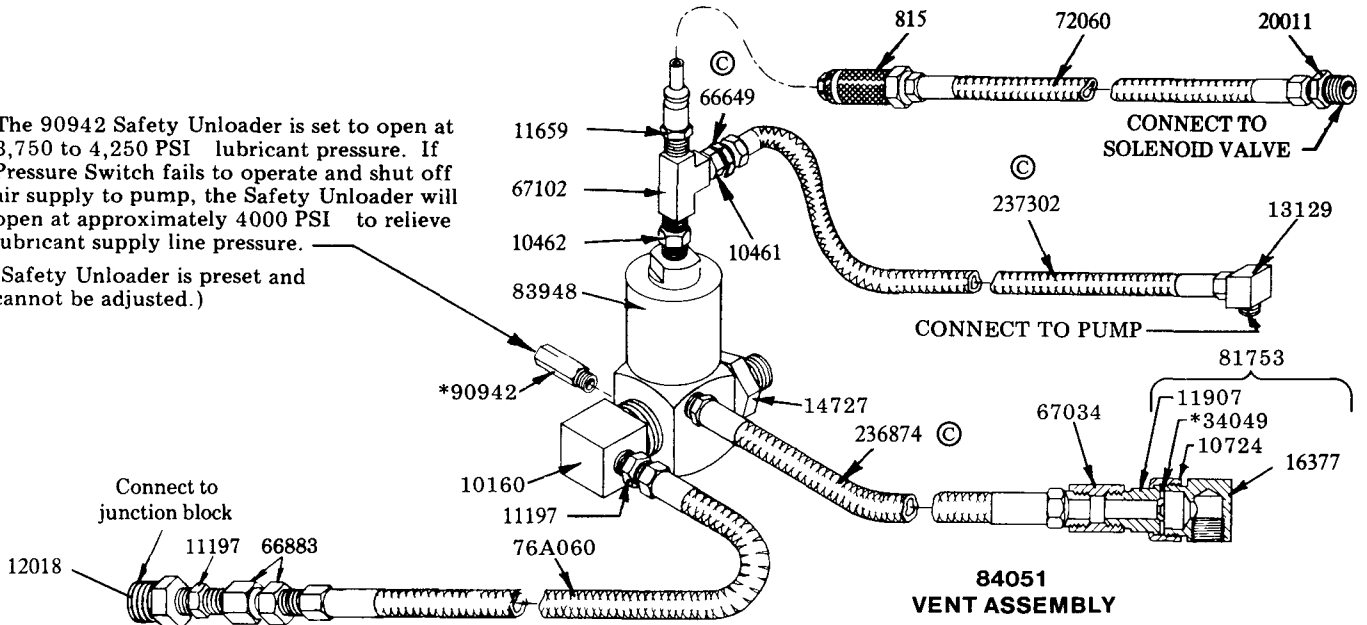
**OPERATION 84640 - WITH MODEL 84530 SYSTEM SENTRY**

When Model 84530 times out it will initiate a lube cycle. The air solenoid is energized to deliver 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 4000 PSI to relieve lubricant supply line pressure.

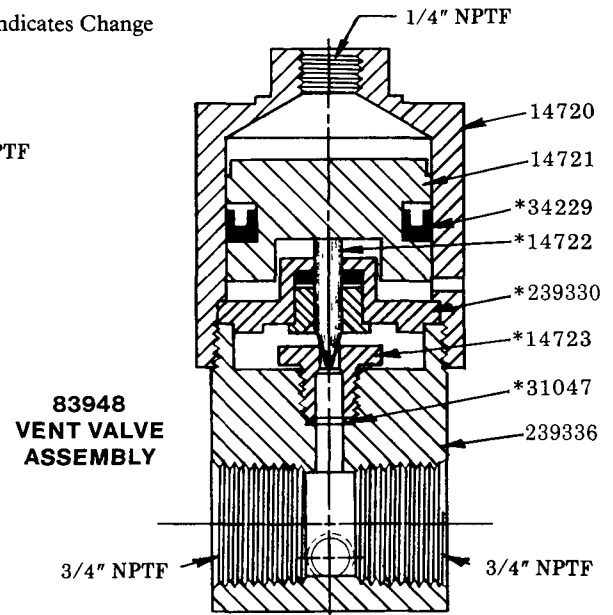
(Safety Unloader is preset and cannot be adjusted.)



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 disc and seat must form perfect seal.

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

© Indicates Change



## SERVICE PARTS

Part	Qty.	Description	Part	Qty.	Description	Part	Qty.	Description
815	1	Air coupler	*31010	2	Gasket	67420	1	Vent pipe
5698	1	Vent fitting	*31029	1	Gasket	69383	1	Knockout plug
10160	1	Elbow	*31047	1	Check seat gasket	72060	1	Air hose
*10313	1	Ball check seat	31184	1	Gasket	76A060	1	Delivery hose
10461	2	Bushing	33152	1	Gasket	*80206	1	Pump check disc ass'y.
10462	1	Nipple	*34049	1	Elbow union gasket	81753	1	Elbow union
10724	1	Elbow union nut	*34146	1	Cover gasket	81938	1	Outlet check assembly
11197	2	Nipple	*34229	1	Packing	83513	1	Bare pump assembly
11659	1	Male fitting	48415	4	Washer	83948	1	Vent valve assembly
11907	1	Check union nipple	50016	2	Screw	84051	1	Vent assembly
12018	1	Bushing	50034	2	Screw	*90204	1	Outlet check bushing
12213	1	Adapter	50037	4	Screw	90860	1	Outlet connector
12519	4	Fastener	51026	2	Nut	*90942	1	Safety unloader ass'y.
12538	1	Nut	51055	1	Nut	91086	4	Latch assembly
13129	1	Elbow	*66001	1	Steel ball (3/8" Dia.)	93270	1	Container assembly
14720	1	Air cylinder	66042	4	Cotter pin	236874	1	Volume hose
14721	1	Piston	66246	4	Lockwasher	237302	1	Air hose
*14722	1	Needle	66649	1	Union adapter	*239330	1	Viton packing ass'y.
*14723	1	Valve seat	66883	1	Adapter union	239336	1	Valve body
14727	1	Nipple	67034	1	Pipe coupling	242977	1	Drum cover assembly
16377	1	Check housing	67102	1	Tee (1/4")	360580	1	Bracket assembly
20011	1	Bushing	67117	2	Pipe plug	361104	1	Bracket
*31001	1	Gasket						

\*Recommended Service Parts Inventory.