

**SPECIFICATIONS**

RESERVOIR CAPACITY	- 5 PINTS (FLUID LUBRICANTS)
PLUNGER DIA.	- .518"
PLUNGER STROKE	- 1"
OUTPUT PER STROKE	- .160 CU. IN. (FULL STROKE)
MAXIMUM PRESSURE	- 1000 PSI

**FILL RESERVOIR**

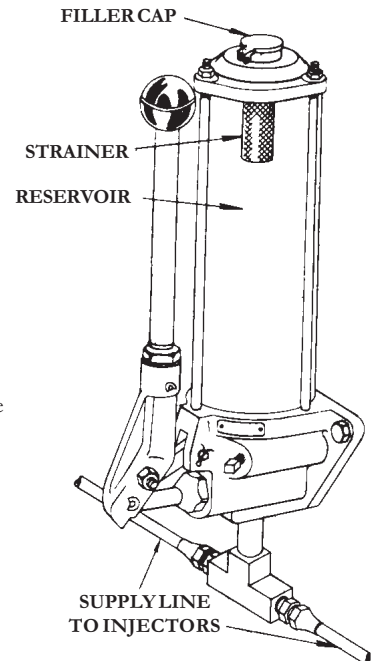
The Reservoir is filled through a Filler Cap at the top of the Reservoir. A Strainer is located at the Filler Cap to prevent the induction of foreign material into the Reservoir. Inspect Strainer before filling Reservoir. When necessary lift Strainer out and clean thoroughly.

**OPERATION**

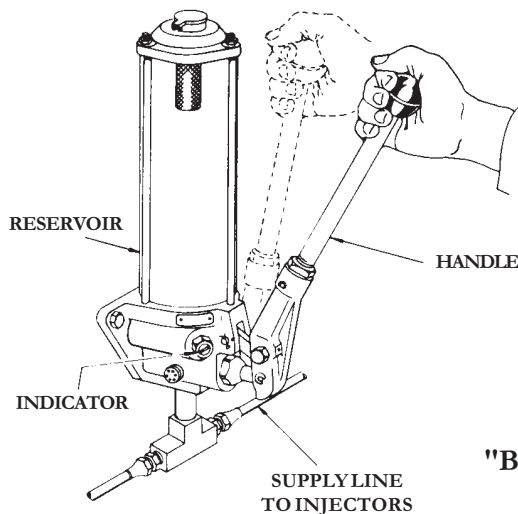
The Centro-Oiler system lubrication cycle consists of two operations.

- 1st "A" Building up lubricant pressure in the system by operating Pump Handle.
- "B" Injector dispenses a measured quantity of lubricant into the Bearing.
- 2nd "A" Venting of lubricant pressure in the Supply Line.
- "B" Recharge of the Injectors.

Operations 1A and 2A automatically control operations 1B and 2B respectively.



**1st OPERATION**



**"A"** Build lubricant pressure by operating the Handle of the Pump.

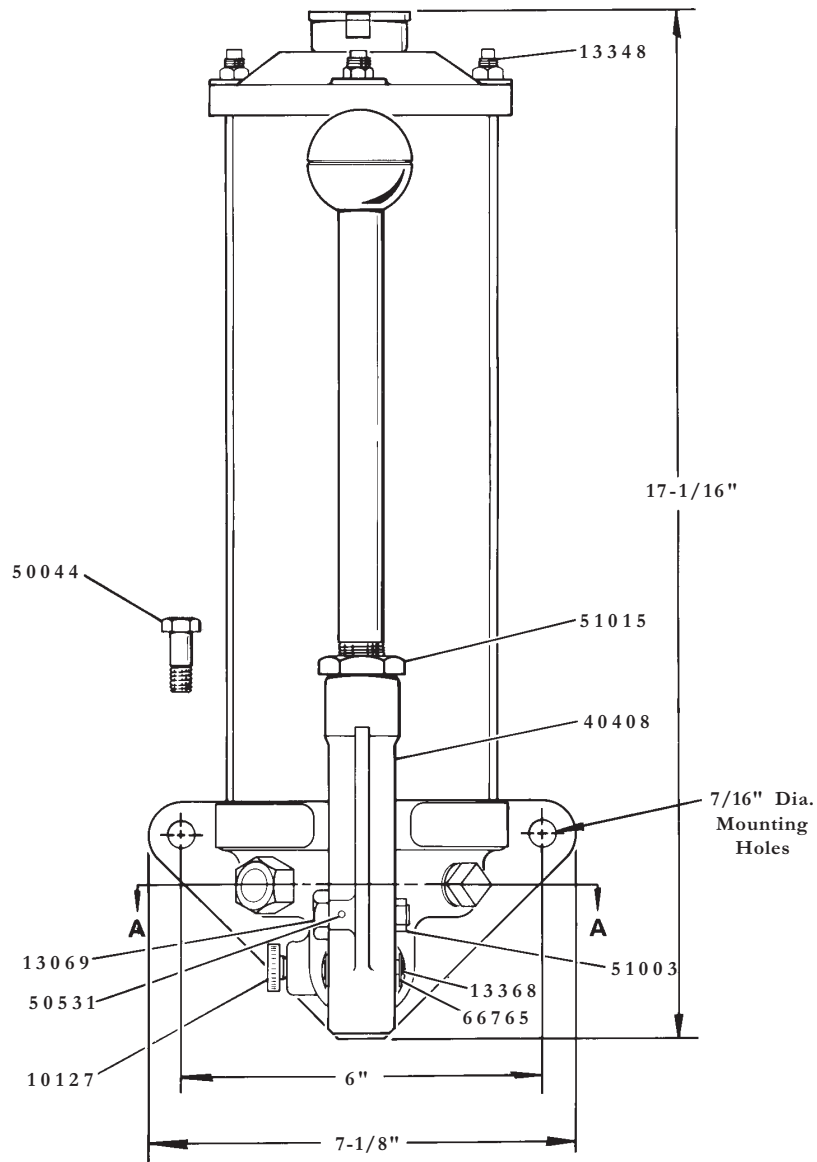
The outward stroke of the Pump Handle forces lubricant into the Supply Line.

Continued operation of the Pump is required until lubricant pressure in the Supply Line is built up to 1000 p.s.i maximum.

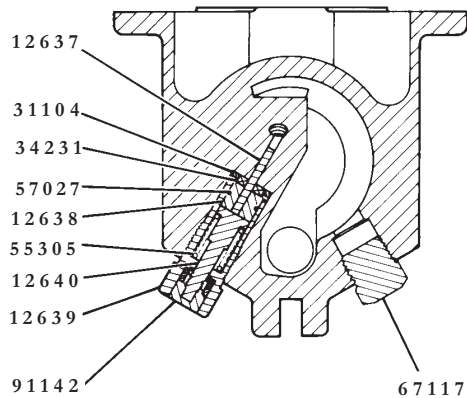
When this pressure is reached the Indicator will move out to its extended position exposing a Red Ring on the Indicator Stem.

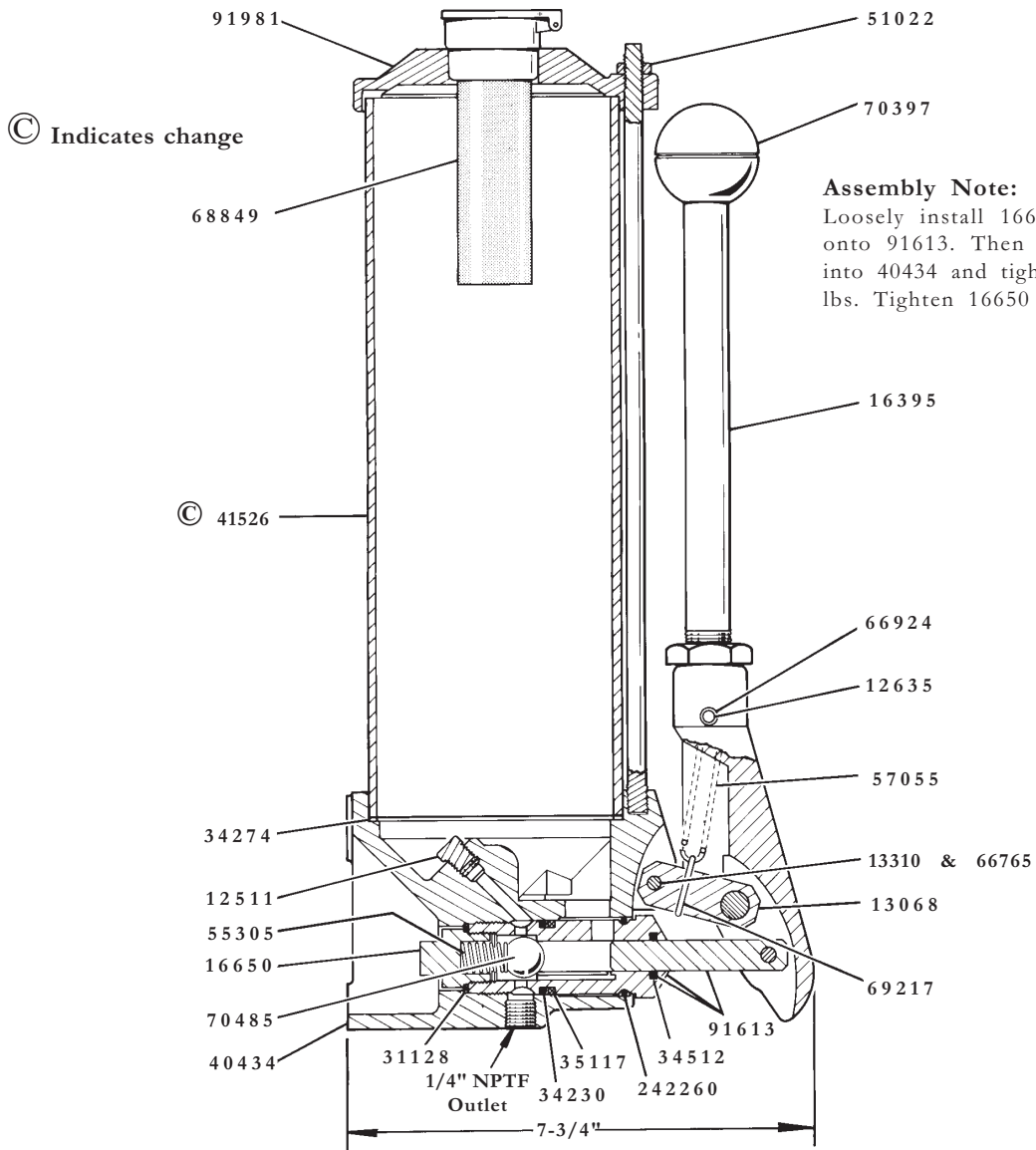
The extended position of the Indicator is a signal that the necessary pressure to operate the Centro-Oiler System has been obtained, and that Pump operation is no longer required.

**"B"** Lubricant pressure built up in the Supply Line by the Pump operation, automatically operates the Injectors. Injector dispenses a measured quantity of lubricant into Bearing.



**SECTION A-A**

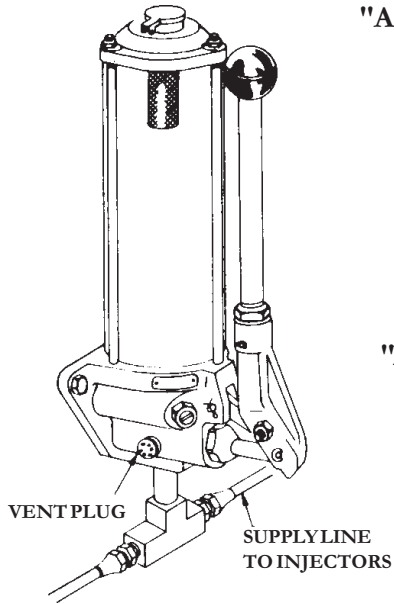




Part	Qty.	Description	Part	Qty.	Description	Part	Qty.	Description
10127	1	Vent plug	31128*	1	Gasket	55305*	2	Spring
12511	1	Pipe plug	34230*	1	O-ring	57055	1	Spring
12635	1	Pin	34231*	1	Packing	57057	1	Snap ring
12637	1	Indicator extension	34274*	1	Gasket	66765	4	Retaining ring
12638	1	Packing retainer	34512	1	O-ring	66924	2	Retaining ring
12639	1	Spring housing	35117*	1	Packing	67117	1	Pipe plug
12640	1	Indicator pin	40434	1	Pump body casting	68849	1	Strainer
13068	1	Toggle	40408	1	Handle casting	69217	1	Cotter pin
13069	1	Eccentric cam	41526	1	Reservoir assembly	70397	1	Knob
13310	1	Pin	50044	2	Screw	70485*	1	Ball
13348	3	Tic rod	50531	1	Set screw	91142	1	Indicator assembly
13368	1	Pin	51003	1	Jam nut	91613	1	Bushing &
16395	1	Handle	51015	1	Jam nut			plunger assembly
16650*	1	Check stop	51022	3	Nut	91981	1	Cover assembly
31104*	1	Gasket				242260*	1	O-ring

\*Recommended service parts inventory

## 2nd OPERATION



**"A"** Venting of lubricant pressure in Supply Line.

Release Handle and return to its normal position against the Reservoir.

With the Pump Handle in this position lubricant in the system vents back into the Reservoir. Operator must release Handle for Pump to vent.

Operators hand gripping the Pump Handle prevents venting the system between pump strokes.

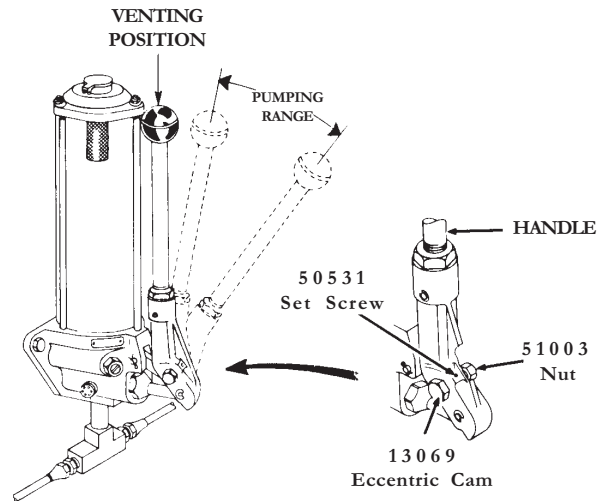
**"B"** Injectors recharge for next operation cycle.

NOTE: If Pump does not prime, open Vent Plug and stroke Handle until air in Reservoir is discharged.

### CENTRO-OILER IS ALWAYS VENTED EXCEPT DURING PUMPING PERIOD

To adjust Vent Position of Handle loosen the 50531 Set Screw. Then unthread the 51003 Nut approximately One Full Turn. The 13069 Eccentric Cam can then be moved to desired Vent Position.

NOTE: It may be necessary to try several positions of Eccentric Cam before desired Venting Adjusting is obtained.



### TO PRIME SYSTEM:

**SUPPLY LINES:** Fill Centro-Oiler with lubricant recommended for Bearings. Remove all Plugs in dead ends of Injector Manifolds and Supply Lines. Operate Centro-Oiler until lubricant flows from any Plug Opening.

Close Opening with Plug. Continue operating Centro-Oiler until lubricant then flows from another Plug Opening. Continue procedure until all Supply Lines are primed and Plug Opening closed.

**FEEDER LINES:** Fill each Feeder Line with oil before connecting Lines to outlet of Injectors and Bearings. This prevents having to cycle each Injector for every inch of Feeder Line between Injector and Bearing.

**INJECTORS:** Check each individual Injector for proper operation.

### 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.