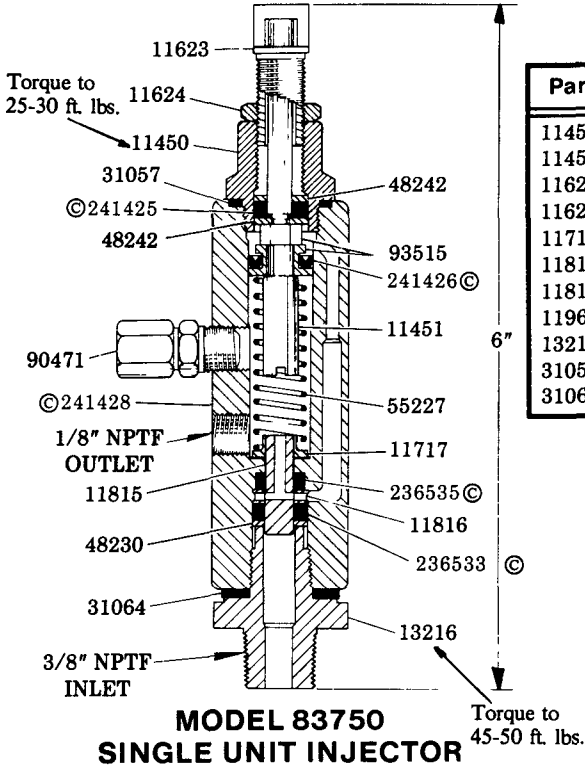


SPECIFICATIONS:

Maximum operating pressure - 1,000 psi
Normal operating pressure - 850 psi
Maximum vent (recharge) pressure - 150 psi
Lubricant output is adjustable from .008 cu. in. to .08 cu. in.
Injectors can be mounted in any position and can be used in circuits with SL-41, SL-42 and SL-43 Injectors.

**SINGLE AND MANIFOLD TYPE
FOR DISPENSING OIL ONLY**



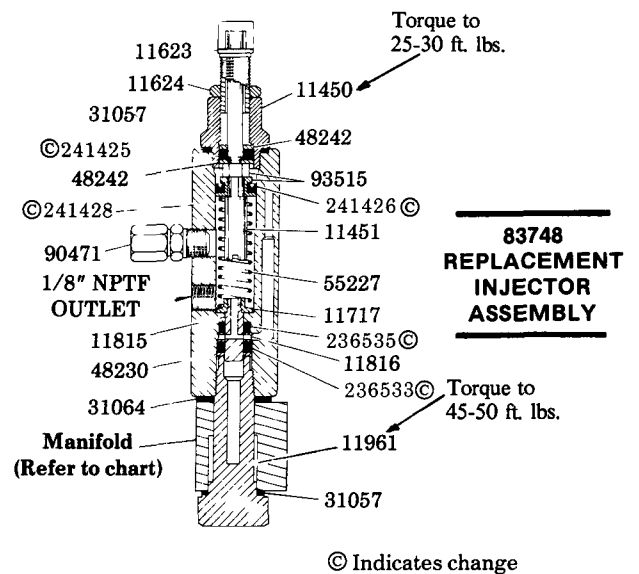
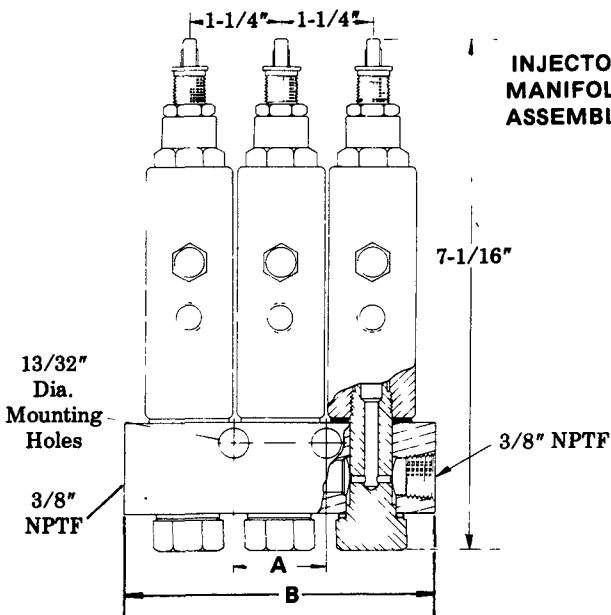
SERVICE PARTS

Part	Qty.	Description	Part	Qty.	Description
11450	1	Piston stop plug	48230	1	Washer
11451	1	Piston rod extension	48242	2	Washer
11623	1	Adjusting nut	55227	1	Spring
11624	1	Lock nut	90471	1	Fitting assembly
11717	1	Spring seat	93515	1	Piston rod assembly
11815	1	Plunger	236533	1	Viton packing
11816	1	Inlet disc	236535	1	Viton packing
11961	1	Adapter bolt	241425	1	Viton packing
13216	1	Adapter	241426	1	Viton u-cup packing
31057	As Req'd.	Gasket	241428	1	Injector body
31064	1	Adapter gasket			

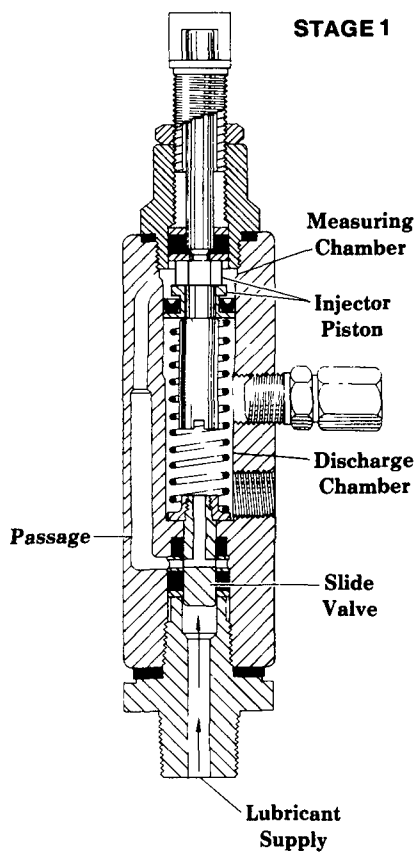
MANIFOLD TYPE INJECTORS

Model	Type	Dimensions		Manifold
		A	B	
83749-1	Single injector manifold	**	2-1/2"	12658
83749-2	Two injector manifold	**	3"	11962
83749-3	Three injector manifold	1-1/4"	4-1/4"	11963
83749-4	Four injector manifold	2-1/2"	5-1/2"	11964
83749-5	Five injector manifold	3-3/4"	6-3/4"	11965

** Single mounting hole



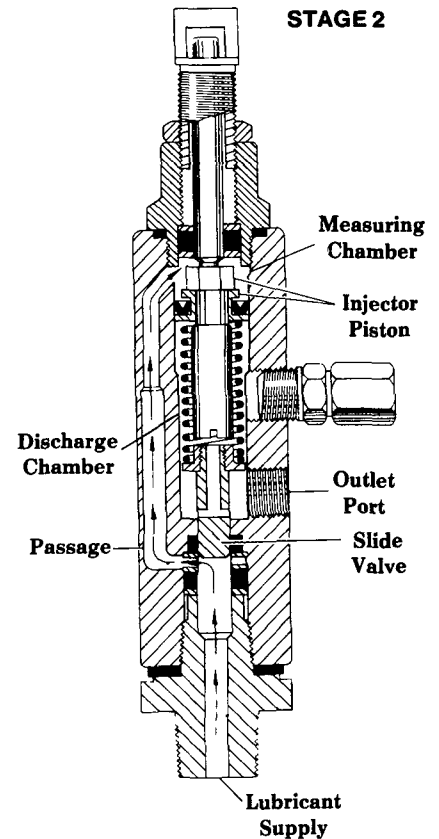
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OPERATION

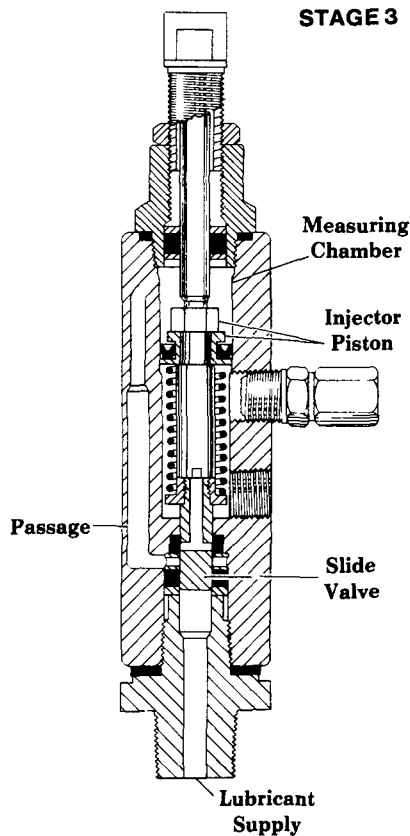
STAGE 1

The injector piston is in its normal or rest position. The discharge chamber is filled with lubricant from the previous cycle. Under the pressure of incoming lubricant, the slide valve is about to open the passage leading to the measuring chamber above the injector piston.



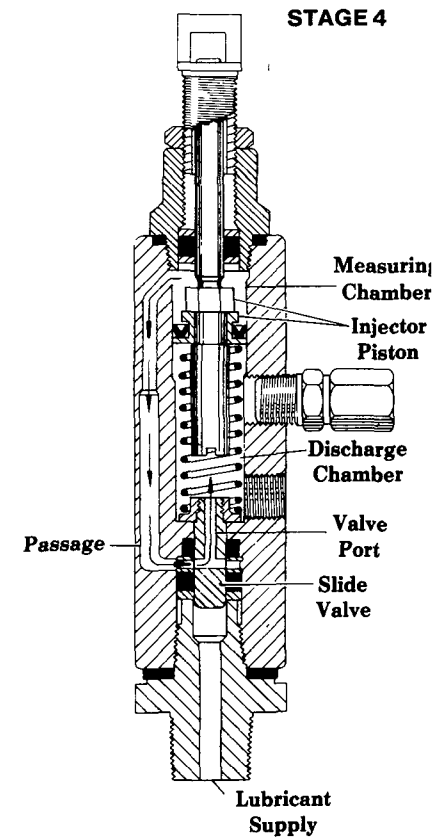
STAGE 2

When the slide valve uncovers the passage, lubricant is admitted to the measuring chamber above the injector piston which forces lubricant from the discharge chamber through the outlet port to bearing.



STAGE 3

As the injector piston completes its stroke, it pushes the slide valve past the passage, cutting off further admission of lubricant to the passage and measuring chamber. The injector piston and slide valve remain in this position until lubricant pressure in the supply line is vented (relieved at the pump).



STAGE 4

After venting, the injector spring expands, causing the slide valve to move, so that the passage and discharge chamber are connected by a valve port. Further expansion of the spring causes the piston to move upward, forcing the lubricant in the measuring chamber through the passage and valve port to refill the discharge chamber.

Injector is now ready for next cycle.

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.