

**SPECIFICATIONS**

**#316 STAINLESS STEEL  
FOR DISPENSING FLUID LUBRICANT AND GREASE  
NOT TO EXCEED N.L.G.I. #1 GRADE**

Minimum operating pressure - 1,850 PSI.  
Maximum operating pressure - 3,500 PSI.  
Recommended operating pressure - 2,500 PSI.  
Maximum vent (Recharge) pressure - 600 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-32 and/or SL-33 Injectors.

**NOTES:**

1. Threaded connections must utilize an anti-seize agent to prevent galling.
2. 250161 Repair Kit available for Model 84776.

**MANIFOLD TYPE INJECTORS**

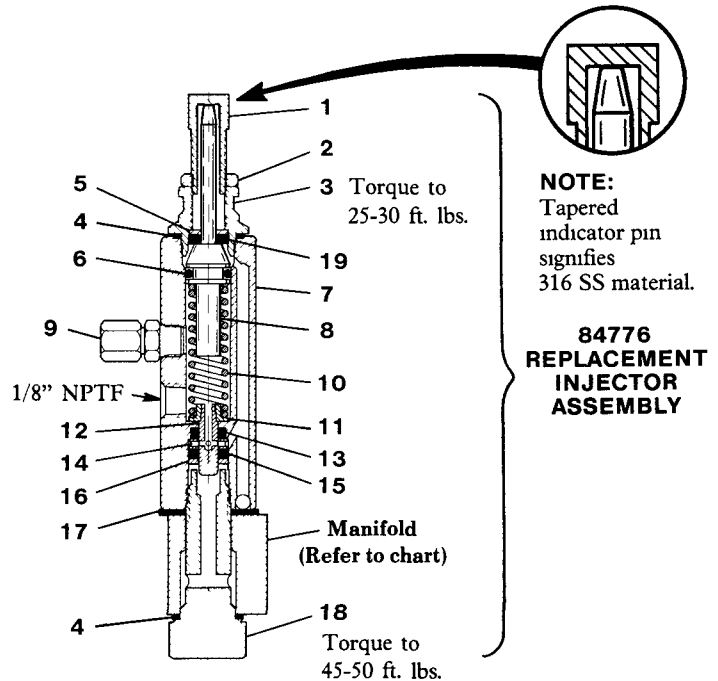
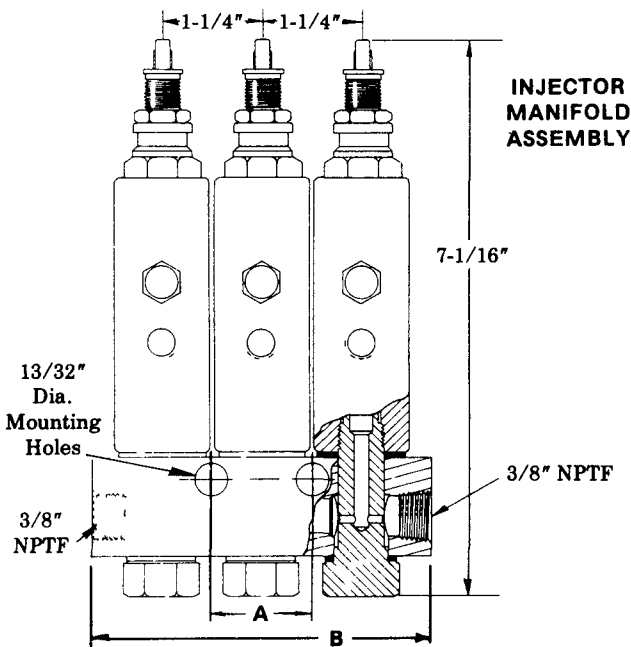
Manifold	Type	Dim. A	Dim. B
239351	Single injector manifold	**	2-1/2"
239352	Two injector manifold	**	3"
239353	Three injector manifold	1-1/4"	4-1/4"
239354	Four injector manifold	2-1/2"	5-1/2"
239355	Five injector manifold	3-3/4"	6-3/4"

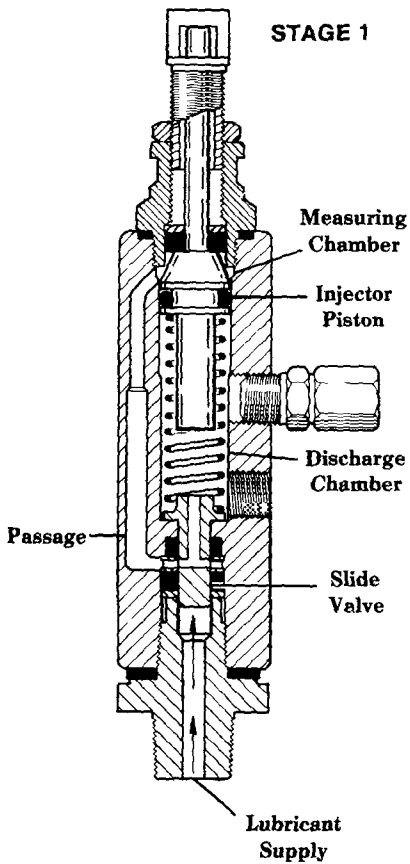
\*\* Single mounting hole.

**SERVICE PARTS**

Item No.	Description	Qty.	Part No.
1	Adjusting screw	1	239204
2	Lock nut	1	239210
3	Piston stop plug	1	239219
4	Gasket	2	*
5	Washer	1	*
6	Viton o-ring	1	*
7	Injector body assembly	1	239208
8	Piston assembly	1	*
9	Fitting assembly	1	239213
10	Plunger spring	1	*
11	Spring seat	1	*
12	Plunger	1	*
13	Viton packing	1	*
14	Inlet disc	1	*
15	Viton packing	1	*
16	Washer	1	*
17	Gasket	1	239206
18	Adapter bolt	1	239212
19	Viton packing	1	*

\* Included in 250161 Repair Kit.

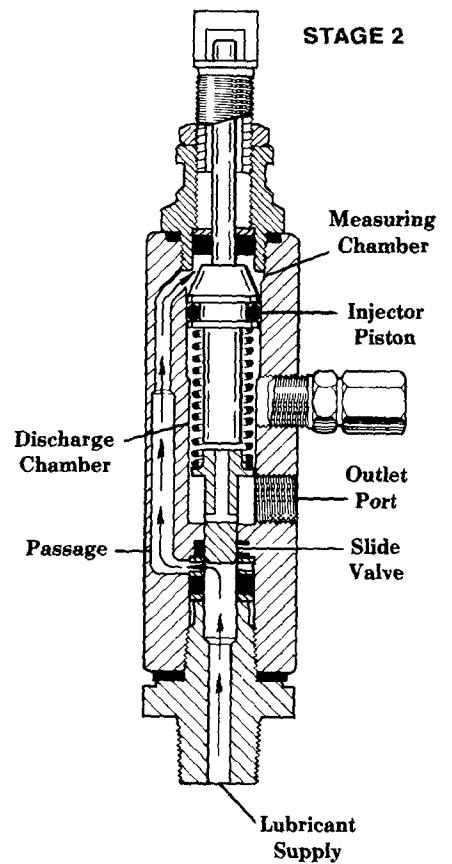




## OPERATION

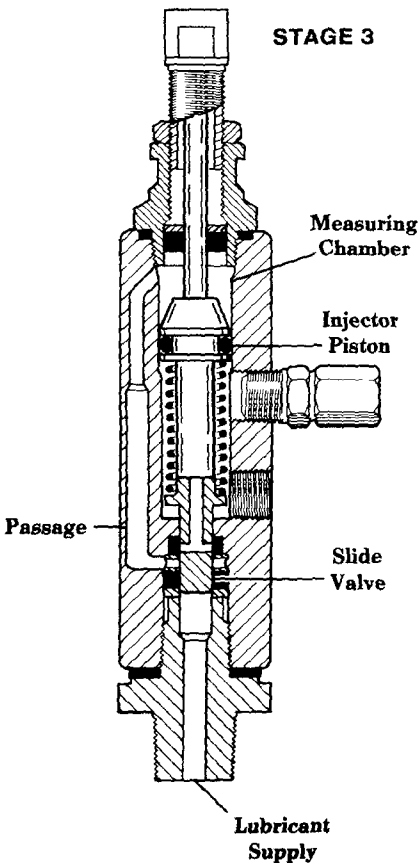
### STAGE 1

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.



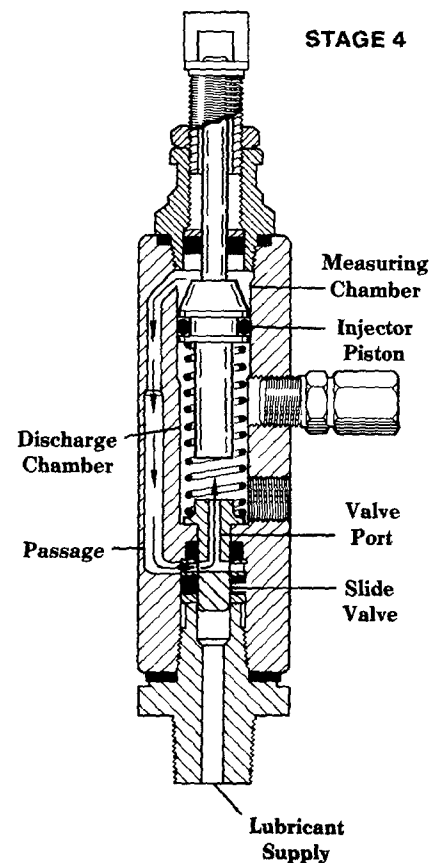
### STAGE 2

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.