

SPECIFICATIONS

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.

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

NOTE: 84777 Repair Kit available for Models 84776.

NOTE:

1. Threaded connections must utilize an anti-seize agent to prevent galling.
2. 239219 Piston stop plug must be tightened to 25 ft lbs.
3. 239212 Adapter bolt must be tightened to 50 ft. lbs.

SERVICE PARTS

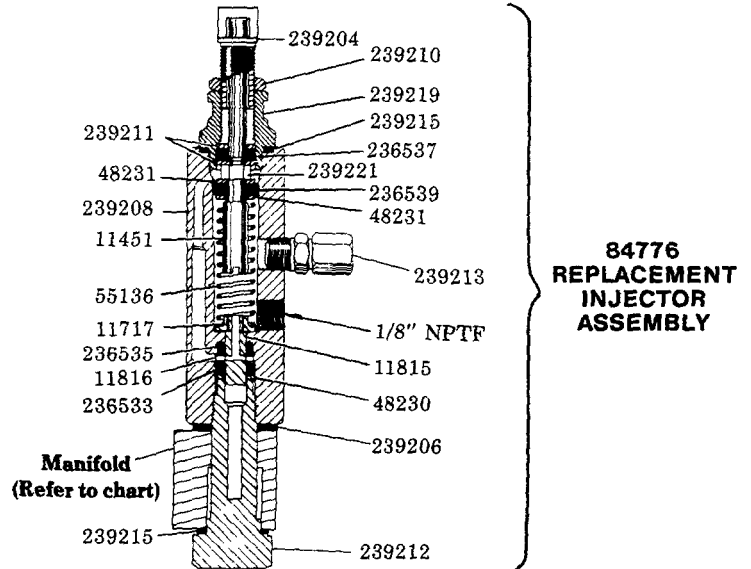
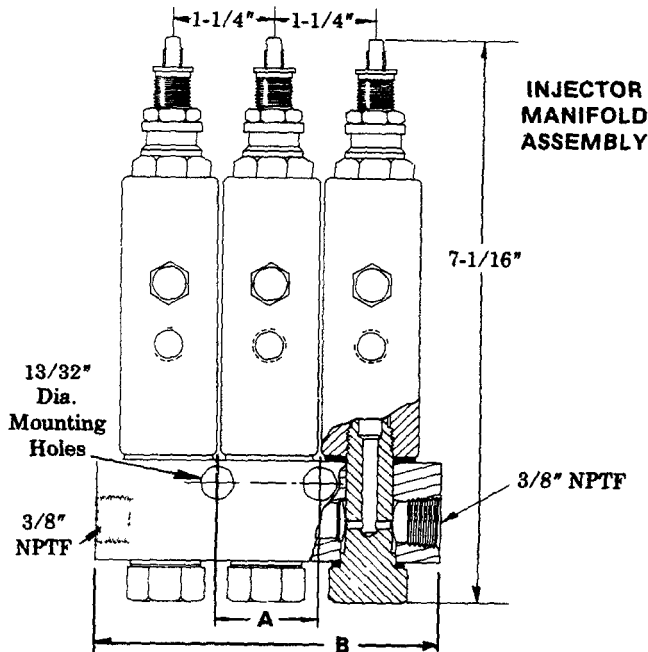
Part	Description	Part	Description
11451	Piston rod extension	239204	Adjusting nut
11717	Spring seat	*239206	Adapter gasket
*11815†	Plunger	239208	Injector body assembly
11816	Inlet disc	239210	Lock nut
48230	Washer	239211	Washer
48231	Piston packing washer	239212	Adapter bolt
*55136†	Plunger spring	239213	Fitting assembly
*236533†	Packing	*239215	Gasket
*236535†	Packing	239219	Piston stop plug
*236537†	Packing	*239221†	Piston rod assembly
*236539†	Piston packing		

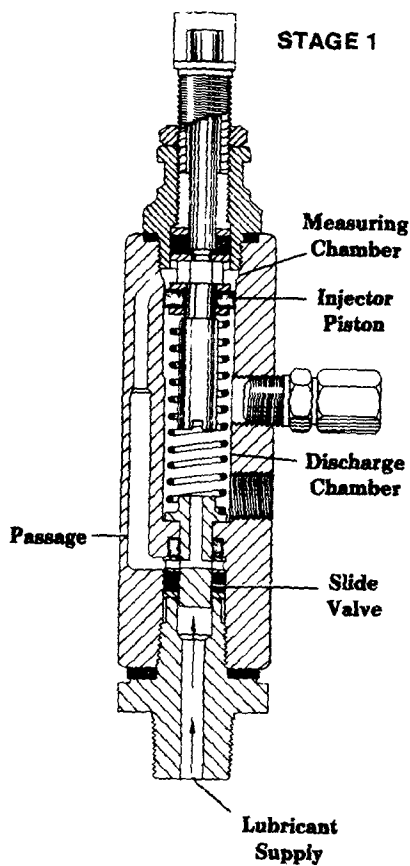
* Recommended service parts inventory.
† Included in 84777 Repair Kit.

MANIFOLD TYPE INJECTORS

Manifold	Type	Dimensions	
		A	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

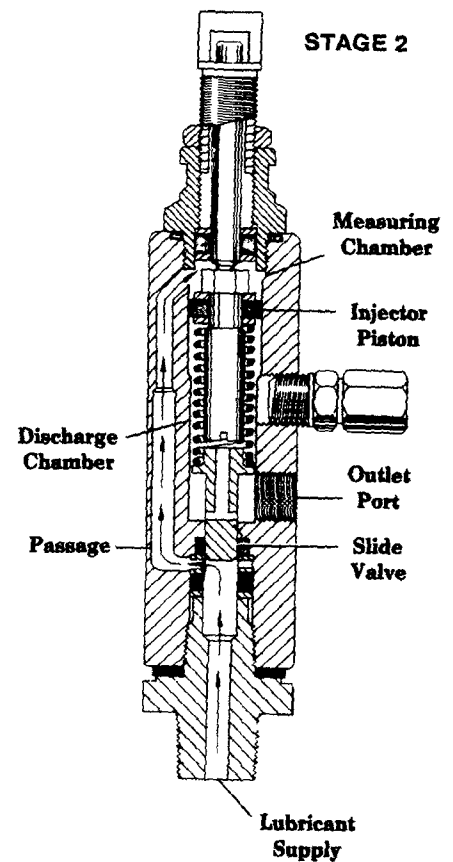




OPERATION

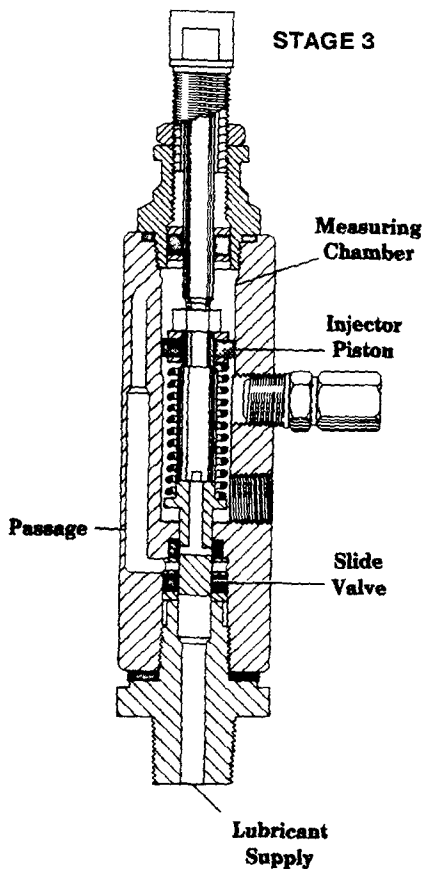
STAGE 1

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.



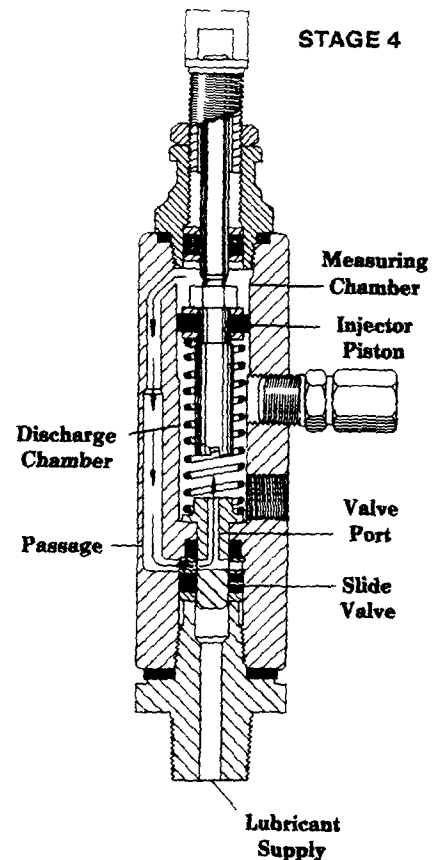
STAGE 2

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.