

# SL-1 INJECTOR

WITH VITON PACKINGS  
SINGLE AND MANIFOLD TYPE

# Models 84762

# 84763

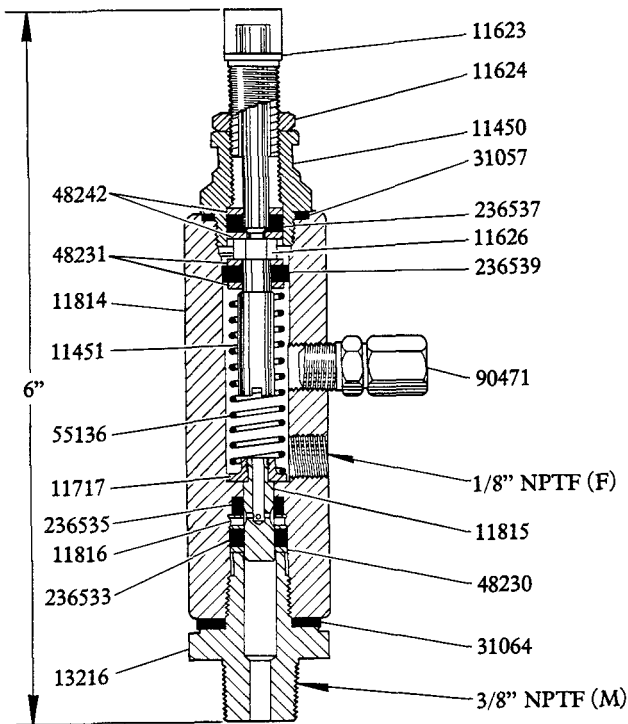
# Series "A"

## SPECIFICATIONS

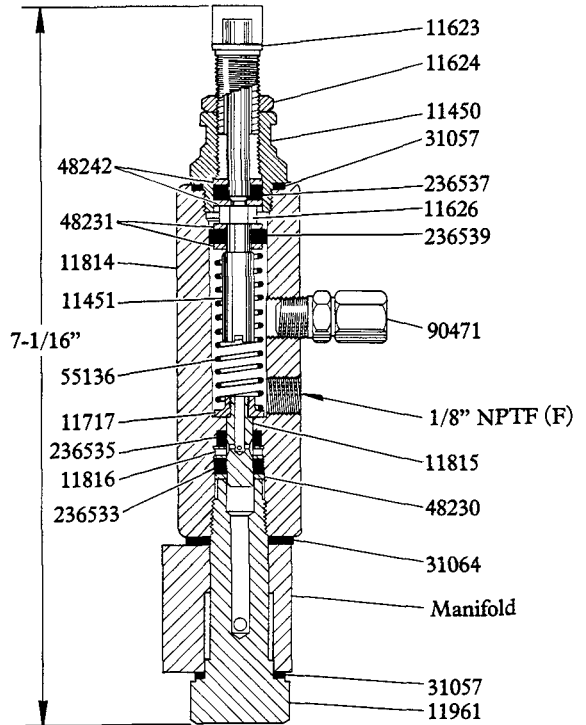
MINIMUM OPERATING PRESSURE .....	1850 psi
MAXIMUM OPERATING PRESSURE.....	3500 psi
RECOMMENDED OPERATING PRESSURE .....	2500 psi
RECHARGE PRESSURE.....	600 psi
LUBRICANT OUTPUT .....	Adjustable from .008 cu. in. to .08 cu. in.

Injectors can be mounted in any position and may be used in circuits with SL-32 and/or SL-33 Injectors.

For dispensing oil or grease not to exceed N.L.G.I. Grade No. 1



**MODEL 84763  
SINGLE UNIT INJECTOR**



**MODEL 84762  
REPLACEMENT INJECTOR**

## SERVICE PARTS

PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION
11450	1	Piston stop plug	31057	2	Gasket
11451	1	Piston rod extension	31064	1	Adapter gasket
11623	1	Adjusting nut	48230	1	Washer
11624	1	Locknut	48231	2	Piston packing washer
†11626	1	Piston rod assembly	48242	2	Washer
11717	1	Spring seat	†55136	1	Plunger spring
11814	1	Injector body	90471	1	Fitting assembly
†11815	1	Plunger	*†236533	1	Packing
11816	1	Inlet disc	*†236535	1	Packing
11961	1	Adapter bolt	*†236537	1	Packing
13216	1	Adapter	*†236539	1	Packing

\* Included in 236540 Packing kit

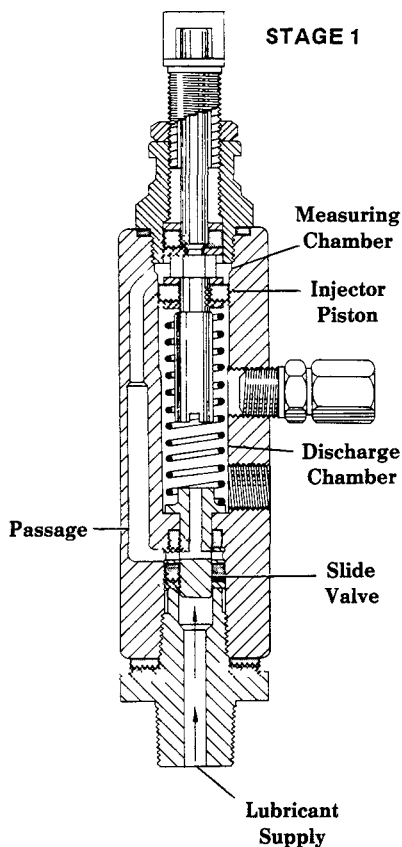
† Included in 236541 Repair kit.

# LINCOLN

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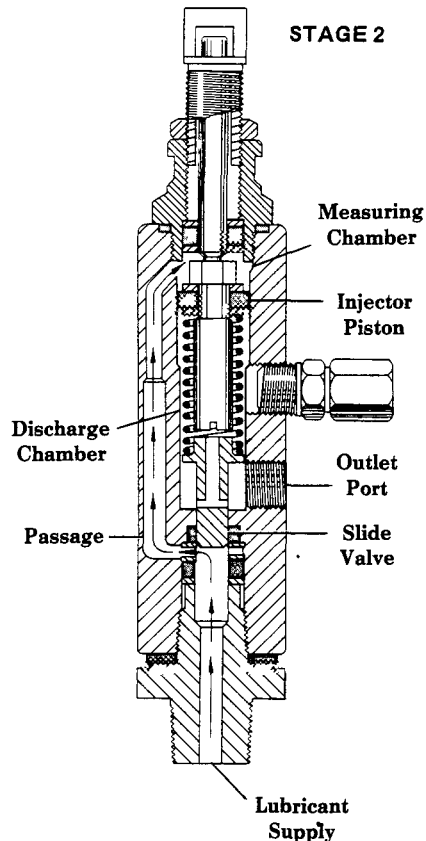
## OPERATION



**STAGE 1**

**STAGE 1**

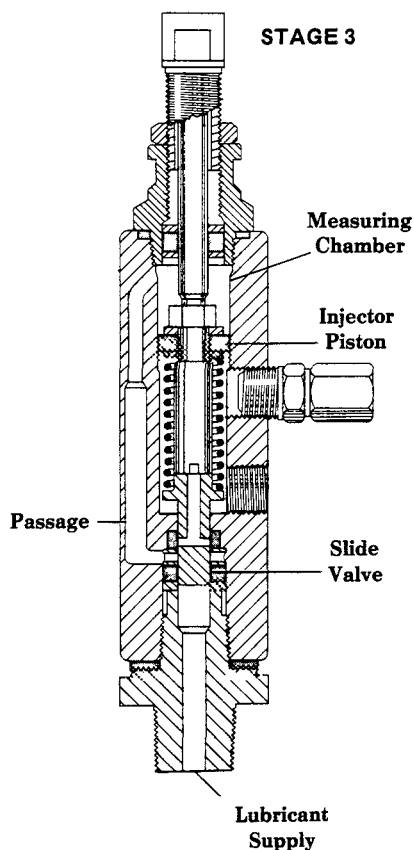
The injector piston is in its normal or rest position. The discharge chamber is filled with lubricant from the previous cycle. Under the pressure of incoming lubricant, the slide valve is about to open the passage leading to the measuring chamber above the injector piston.



**STAGE 2**

**STAGE 2**

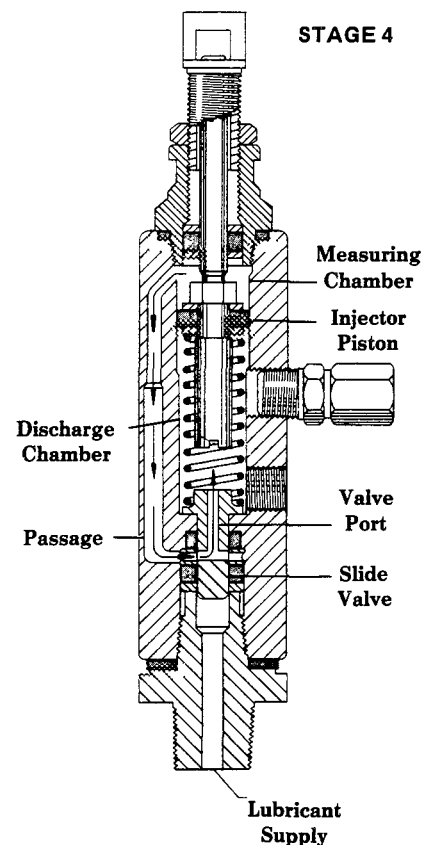
When the slide valve uncovers the passage, lubricant is admitted to the measuring chamber above the injector piston which forces lubricant from the discharge chamber through the outlet port to bearing.



**STAGE 3**

**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**

**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.

A list of Authorized Service Departments will be furnished upon request.