

# SL-33 INJECTOR

STAINLESS STEEL

Model **83715-SERIES**  
**83314-9**

OUTPUT; Adjustable from .001 cu. in. to .003 cu. in.

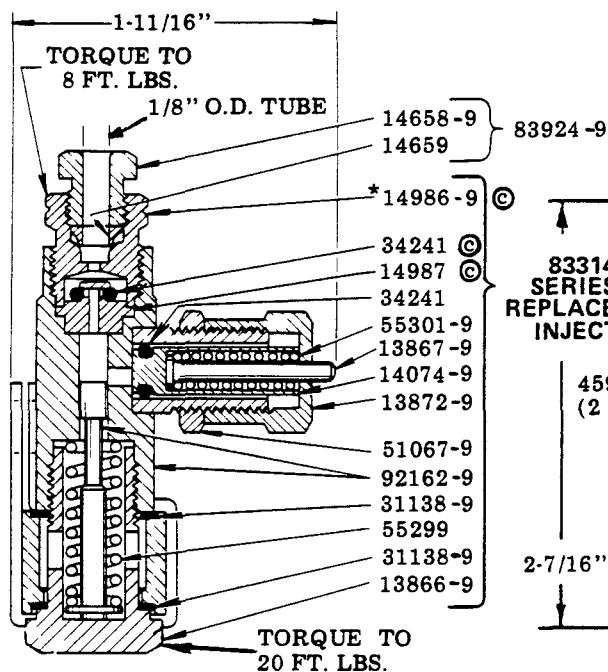
OPERATING PRESSURE; 1200 psi to 3500 psi

RECHARGE PRESSURE; 200 psi

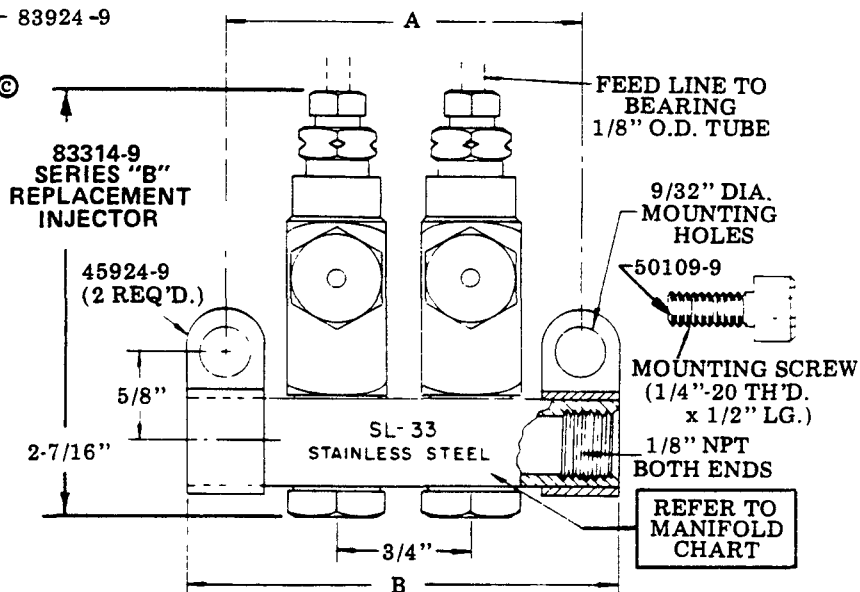
For dispensing oil or grease having a consistency not exceeding NLGI grade No. 1.

### MANIFOLD CHART

MODEL	DESCRIPTION	DIMENSIONS		MANIFOLD
		A	B	
83715-1	1 UNIT	1-1/8"	1-5/8"	91863-9
83715-2	2 "	1-7/8"	2-3/8"	91864-9
83715-3	3 "	2-5/8"	3-1/8"	91865-9
83715-4	4 "	3-3/8"	3-7/8"	14339-9
83715-6	6 "	4-7/8"	5-3/8"	14357-9
83715-7	7 "	5-5/8"	6-1/8"	14358-9



\* Groove in 14986-9 Outlet Body identifies injectors having "O"-Ring Outlet Check.



### SERVICE PARTS

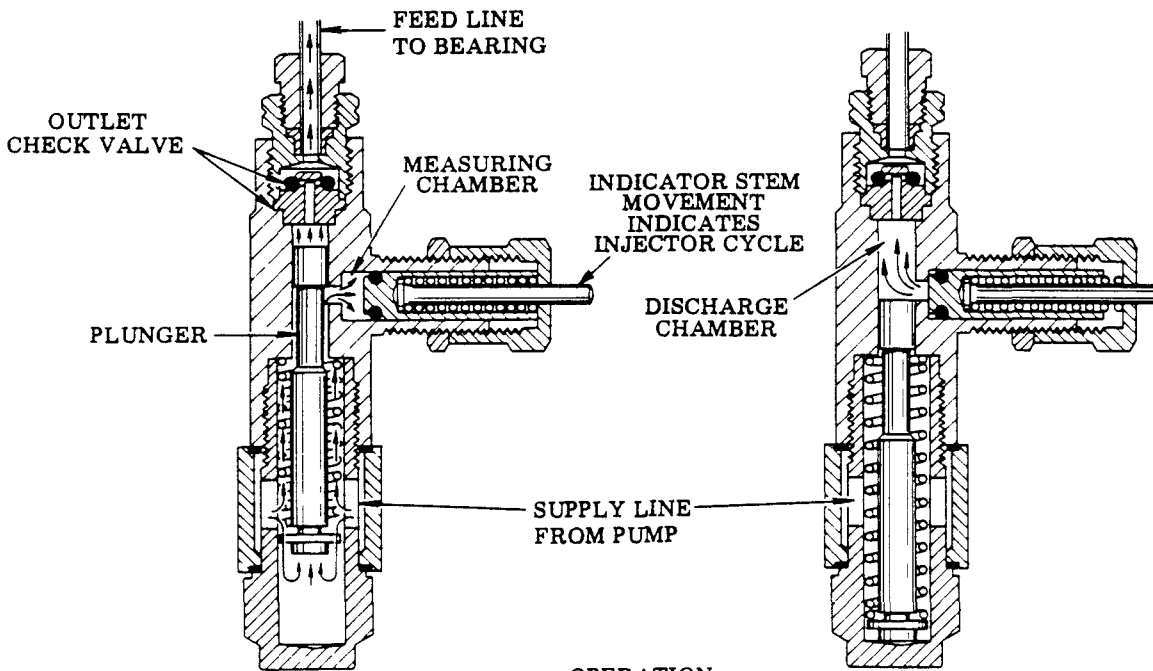
PART NO.	DESCRIPTION
13866-9	Adapter
13867-9	Injector Indicator
13872-9	Injector Cap
14074-9	Packing Retainer
14986-9	Outlet Body
14987	Check Seat
31138-9	Gasket
34241	"O" Ring
45924-9	Manifold Mounting Clip (2 Req'd.)
50109-9	Mounting Screw (2 Req'd.)
51067-9	Lock Nut
55299	Spring
55301-9	Spring
83314-9	Replacement Injector
83924-9	Compression Nut Assem.
92162-9	Body & Plunger Assem.

© Indicates Change



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**SUPPLY LINE UNDER PRESSURE**  
(Normal operating pressure 1500 P.S.I.G.)

Lubricant pressure moves plunger to force lubricant in the discharge chamber through the outlet check valve to the feed line.

Lubricant from supply line charges the measuring chamber.

**SUPPLY LINE VENTED**  
(Vent pressure 200 P.S.I.G. maximum)

Plunger returns to normal position after supply line is vented, connecting measuring chamber to the discharge chamber. Flow from feed line is blocked by the outlet check valve.

Lubricant is automatically transferred from measuring chamber to discharge chamber.

**INJECTOR ADJUSTMENT**

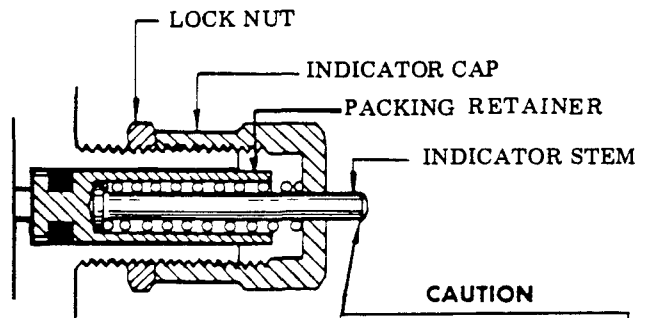
Injector output is controlled by the position of the indicator cap which limits the travel of the packing retainer

With the indicator cap hand tightened against its stop, the lubricant output is decreased to a minimum.

Retracting the indicator cap two full turns permits a maximum of .003 cu. in. to be dispensed.

Retracting the indicator cap beyond two full turns will not increase the lubricant output.

When the injector has been adjusted for the proper lubricant output, the lock nut is tightened against the face of the indicator cap.



**CAUTION**

INDICATOR CAP MUST NOT EXTEND BEYOND RETRACTED POSITION OF INDICATOR STEM

**RETAIN THIS INFORMATION FOR FUTURE REFERENCE**

When ordering replacement parts, list Part Number, Description, Model Number, and Series Letter  
LINCOLN ST LOUIS provides a Distributor Network that stocks equipment and replacement parts  
A list of Authorized Service Departments will be furnished upon request