

SPECIFICATIONS

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

OPERATING PRESSURE:.....1200 psi to 3500 psi

† RECOMMENDED OPERATING PRESSURE:.....1500 psi

RECHARGE PRESSURE:.....200 psi

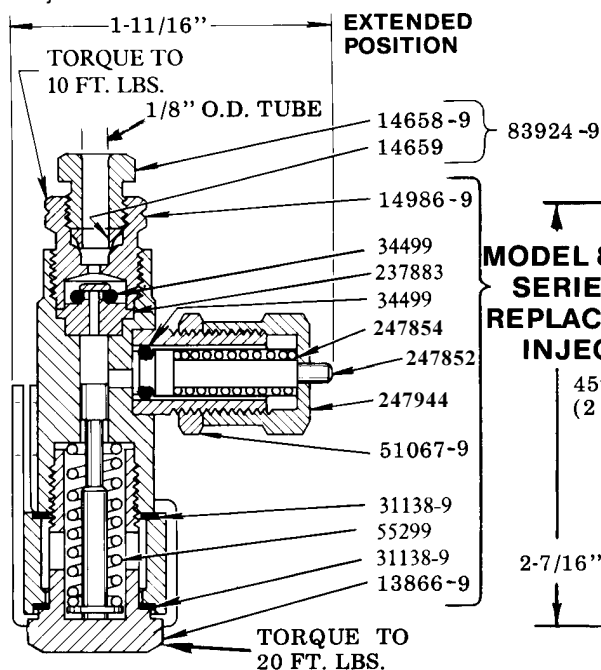
For dispensing oil or grease having a consistency not exceeding NLGI grade No. 2.

† 2500 psi when used in combination with series SL-1 Injectors.

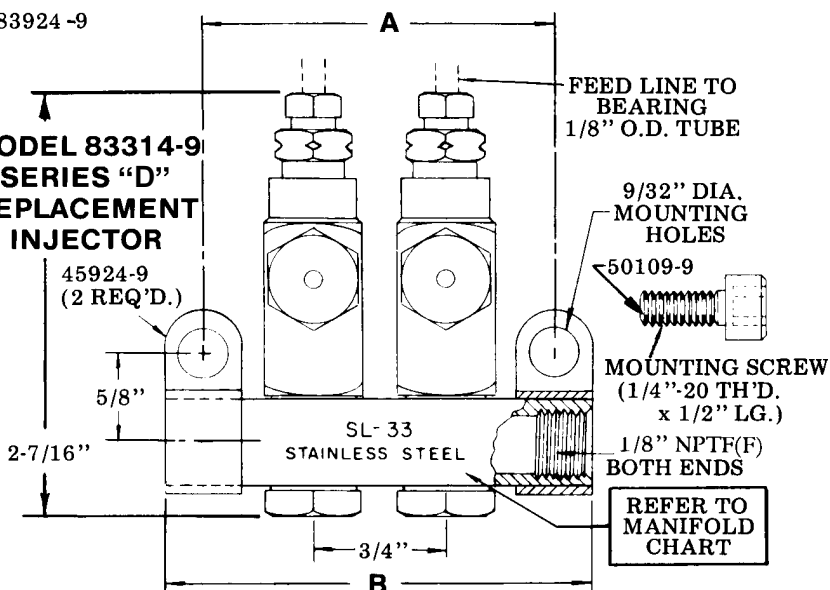
STAINLESS STEEL

MANIFOLD CHART

Model	Description	Dimensions		Manifold
		A	B	
83715-1	1 Unit	1-1/8"	1-5/8"	91863-9
83715-2	2 Unit	1-7/8"	2-3/8"	91864-9
83715-3	3 Unit	2-5/8"	3-1/8"	91865-9
83715-4	4 Unit	3-3/8"	3-7/8"	14339-9
83715-6	6 Unit	4-7/8"	4-7/8"	14357-9
83715-7	7 Unit	5-5/8"	6-1/8"	14358-9

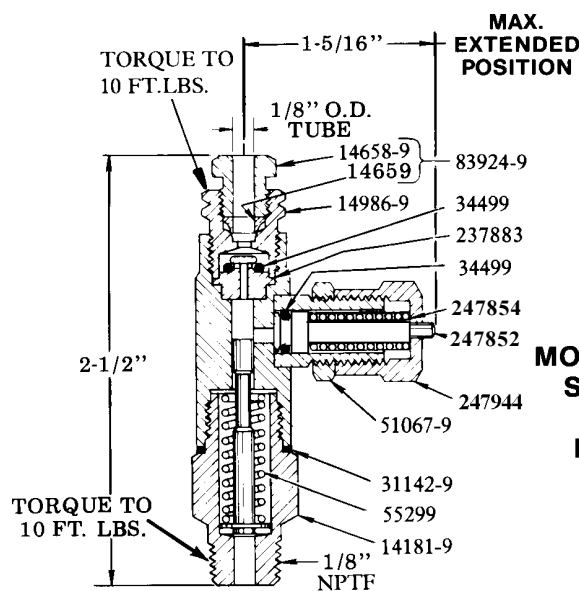


MODEL 83314-9 SERIES "D" REPLACEMENT INJECTOR



SERVICE PARTS

Model	Qty.	Description
13866-9	1	Adapter
14181-9	1	Injector inlet adapter
14658-9	1	Compression nut
14659	1	Ferrule
14986-9	1	Outlet body
+*31138-9	2	Gasket
+*31142-9	1	Gasket
+*34499	2	O-ring (Nitrile)
45924-9	2	Manifold mounting clip
50109-9	2	Mounting screw
51067-9	1	Locknut
+*55299	1	Spring
83924-9	1	Compression nut assembly
+*237883	1	Check seat
+ 247852	1	Piston
+*247854	1	Spring
+ 247944	1	Injector Cap



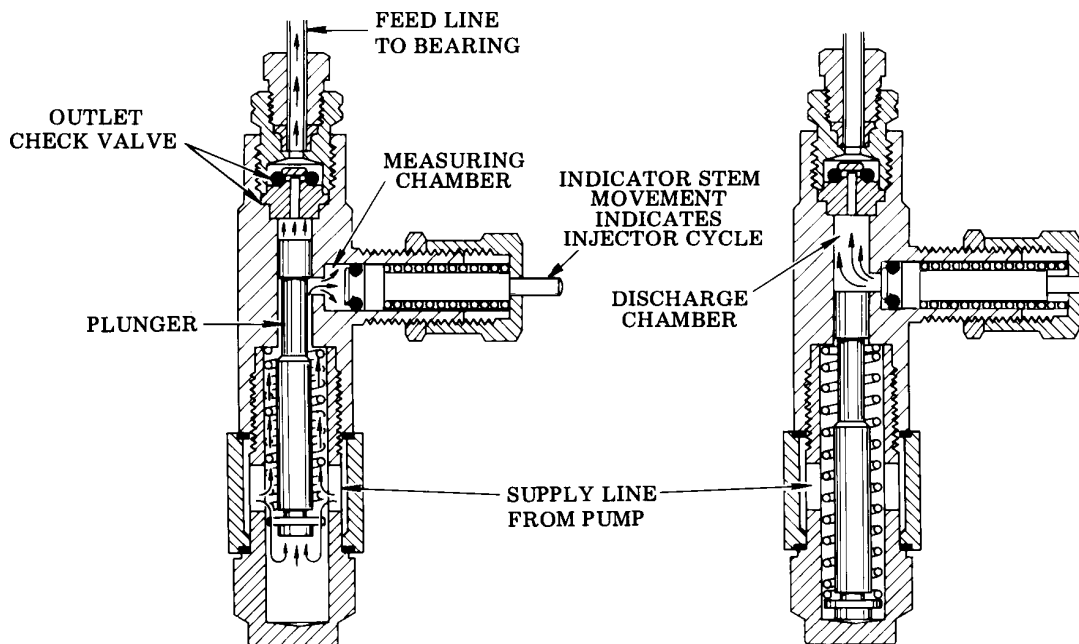
NOTE:

Injectors from previous series can be improved with stenciled cap and single piece piston by use of 247953 upgrade kit.

MODEL 83900-9 SERIES "D" SINGLE INJECTOR

* Included in 247960 Repair Kit

+ Included in 247953 Upgrade Kit



OPERATION

SUPPLY LINE UNDER PRESSURE

(Normal operating pressure 1500 psi)

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 psi 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.

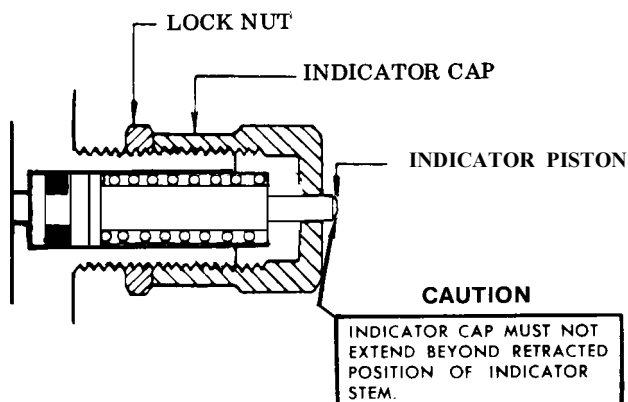
INJECTOR ADJUSTMENT©

Injector output is controlled by the position of the indicator cap which limits the travel of the indicator piston.

To achieve the advertised min. output setting (.001 cu. in.) hand tighten the indicator cap against it's stop then loosen approx. ½ turn. NOTE: any output setting below ½ turn should be monitored to verify actual output volume.

Retracting the indicator cap two full turns from the hand tight position permits a max. output of .003 cu. in. to be dispensed. Use the graduations on the cap as an aid in setting the indicator.

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



© Indicates change

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.