

# Model Nos. 85351-1, -2, -3, -4, -5, -6, 249648

## SL-33 INJECTOR (METRIC)

### Series "A"



#### SPECIFICATIONS

OUTPUT:.....Adjustable from .001 cu. in. to .003 cu. in.  
(.016 cc to .049 cc)

OPERATING PRESSURE:.....1200 psi to 3500 psi  
(83 bar to 241 bar)

RECOMMENDED OPERATING PRESSURE:.....1500 psi  
(103 bar)

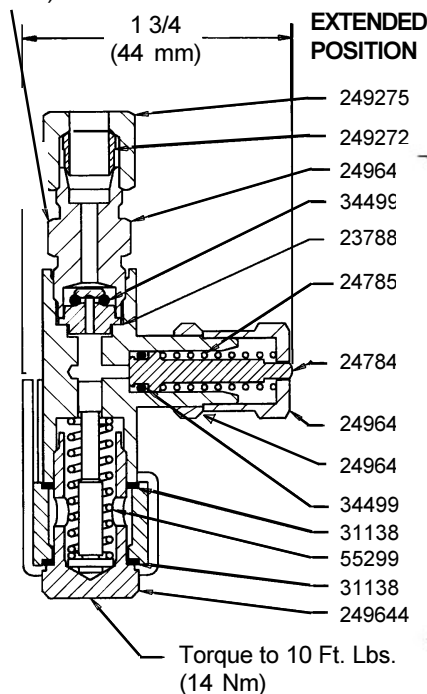
RECHARGE PRESSURE:.....200 psi  
(14 bar)

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

#### MANIFOLD CHART

Model	Description	Dimensions		Manifold
		A	B	
85351-1	1 Unit	1-1/8" (29 mm)	1-5/8" (41 mm)	249630
85351-2	2 Unit	1-7/8" (48 mm)	2-3/8" (60 mm)	249631
85351-3	3 Unit	2-5/8" (67 mm)	3-1/8" (79 mm)	249632
85351-4	4 Unit	3-3/8" (86 mm)	3-7/8" (98 mm)	249633
85351-5	5 Unit	4-1/8" (105 mm)	4-5/8" (118 mm)	249634
85351-6	6 Unit	4-7/8" (1248 mm)	5-3/8" (137mm)	249635

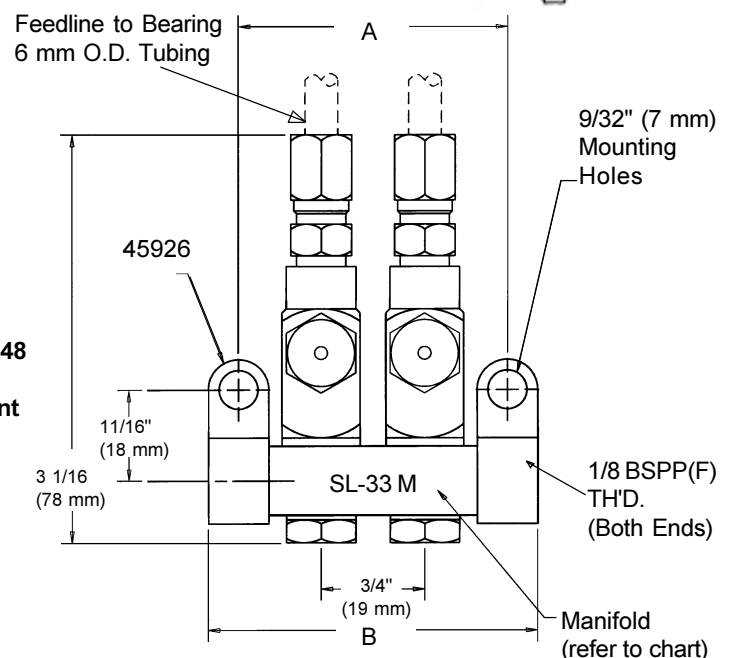
Torque to  
10 Ft. Lbs.  
(14 Nm)



Model 249648  
Series "A"  
Replacement  
Injector

249647

Mounting Screw  
M6 x 1.0 TH'D  
x 13 mm LG

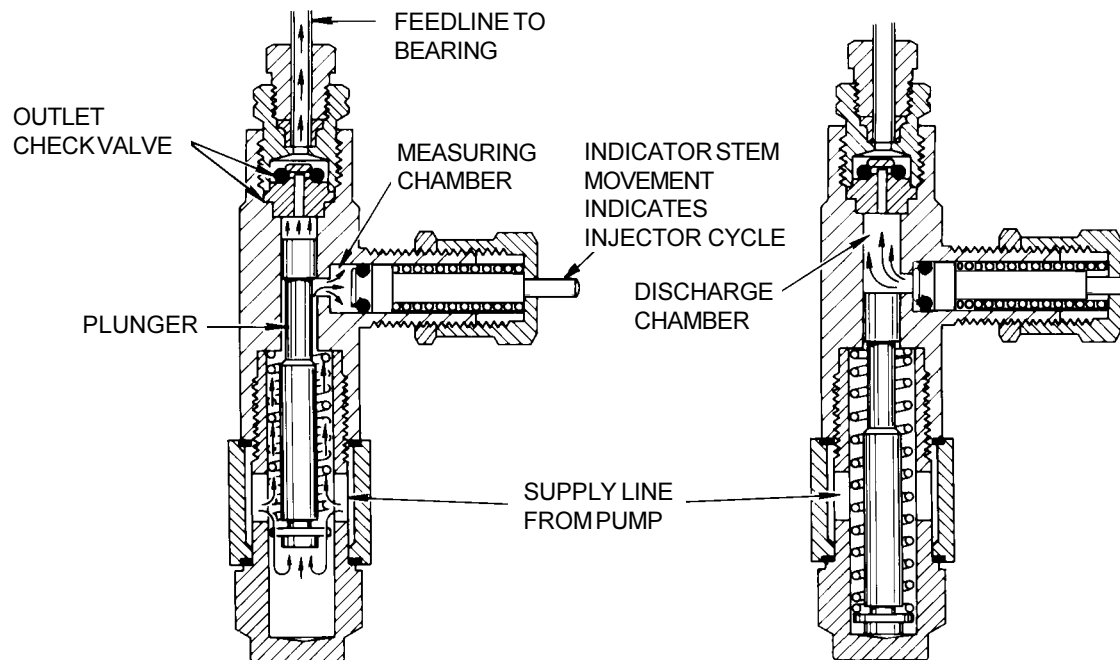


#### SERVICE PARTS

Part #	Qty.	Description	Part #	Qty.	Description
*31138	2	Gasket	249272	1	Ferrule
*34499	2	O-ring (Nitrile)	249275	1	Compression nut
45926	2	Manifold mounting clip	249640	1	Outlet body
*55299	1	Spring	249641	1	Lock nut
*237883	1	Check seat	249643	1	Injector Cap
247849	1	Piston	249644	1	Adapter
*247854	1	Spring	249647	2	Mounting screw

\*Included in 247964 Repair Kit





## OPERATION

### SUPPLY LINE UNDER PRESSURE

(Normal operating pressure 1500 psi (103 bar))

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 (14 bar) 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.

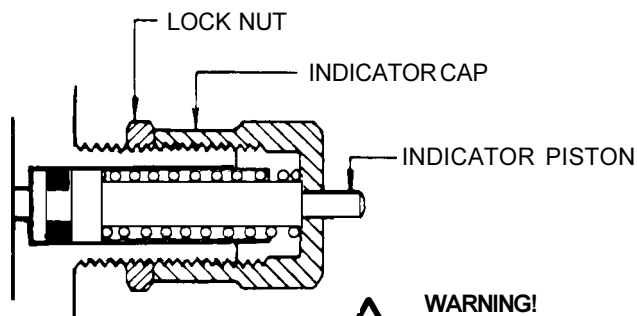
## INJECTOR ADJUSTMENT

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

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. **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.



**WARNING!**  
Do not adjust indicator cap while under pressure.  
Do not retract beyond two full turns from the "STOP" position.

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