

(4) STEAM OPERATED AIR COMPRESSOR LUBRICATORS - TYPE LB-3

<u>Pumping Unit Connected to</u>	<u>Setting of Regulating Screw</u>	
	<u>Turns Open</u>	<u>Separation</u>
Air cylinders (H.P.&L.P.)	1	1/32"
Steam cylinders	8	1/4"
Reversing Valve	2	1/16"

WESTINGHOUSE AIR BRAKE CO'S. AIR COMPRESSOR LUBRICATORS: TYPE W-1-A

Method of adjusting pumping units:

The amount of oil delivered per stroke is controlled by the distance the plunger is allowed to move downward; the adjustment being made by means of adjusting nuts. To increase the amount of oil delivered, turn adjusting nuts to left; to decrease the oil delivered, turn nuts to right. After adjustment, tighten or "lock" the two adjusting nuts together.

To check or adjust the length of plunger stroke, turn cam by means of primer handle until plunger to be checked or adjusted is in its uppermost position. When in this position, the distance between the lower face of the bottom adjusting nut and top of plunger rod guide is the working stroke of the plunger, or "pump stroke" as listed below. The "pump stroke" specified for part to be lubricated by particular pumping unit should be accurately set by gage. Adjusting nuts are made accessible by first removing lubricator cover and making nut adjustment through opening in ratchet wheel. Only one nut is available for adjustment through this opening at one time. Rotate primer handle sufficiently to bring other nuts to the opening in ratchet wheel for adjustment.

The Westinghouse Type W-1-A Lubricator has three sizes of pumping units; namely, small (S) for air portion, large (L) for steam portion, and medium (M) for compressor reversing valve as indicated in table below. Size of pumping unit is marked by initial on top/pump plunger:

SPECIFIED SETTINGS FOR PUMPING UNITS:  
(for all classes of locomotives)

<u>Pumping unit connected to</u>	<u>Pumping Unit Size</u>	<u>Pump Stroke</u>
Air cylinders (H.P.&L.P.)	Small (S)	1/8"
Steam cylinder (H.P.)	Large (L)	5/16"
Main Steam Line Ahead of Gov.	Large (L)	1/8" Max.
Reversing Valve	Medium (M)	5/16"
Air Piston of Governor	Small (S)	1/8" Max.