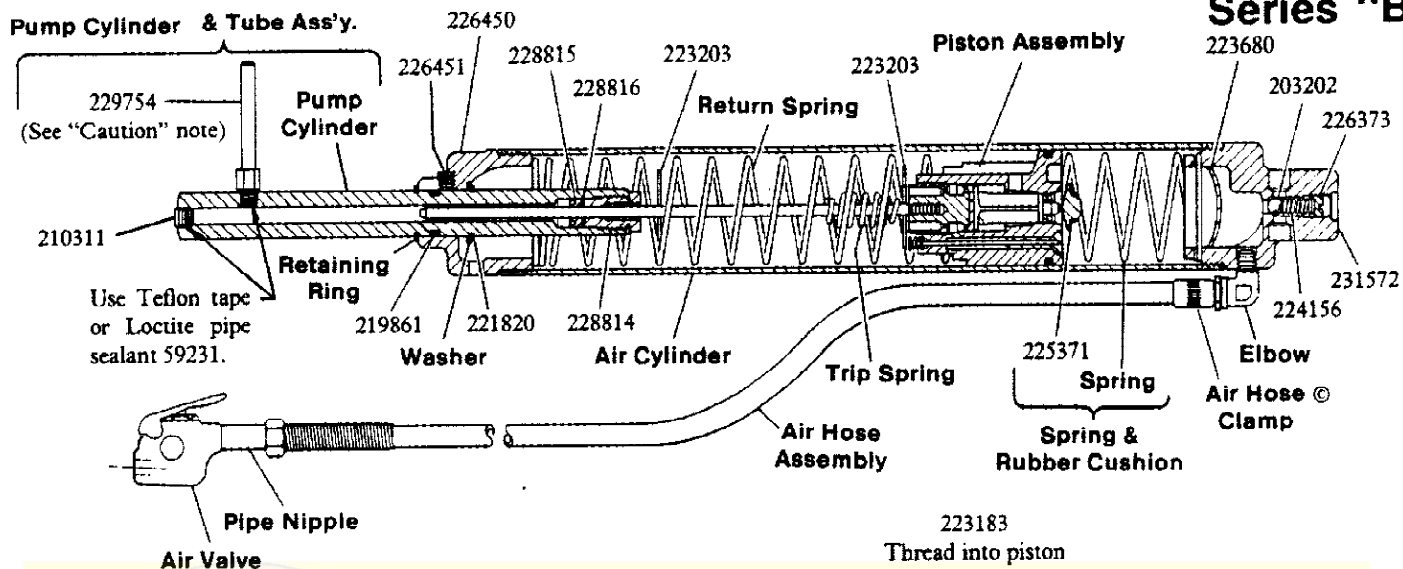
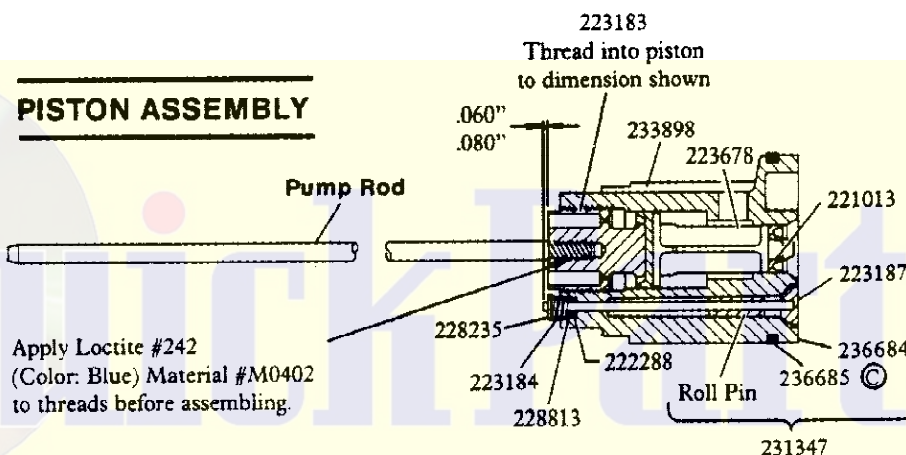


Series "B"



PISTON ASSEMBLY



Caution: Tube must be tightened to hold pressure, but not protrude into I.D. of pump cylinder.

Apply Loctite #242 (Color: Blue) Material #M0402 to threads before assembling.

SERVICE PARTS

Part	Qty.	Description	Part	Qty.	Description
203202	1	Ball	226373	1	Adjusting screw
210311	1	Pipe plug	226450	1	End block
*219861	1	O-ring	226451	2	Set screw
*221013	1	U-cup packing	228235	1	Cotter pin
*222288	1	O-ring	228813	1	Washer
223183	1	Plug	228814	1	Gland nut
223184	1	Spring	228815	1	U-cup packing
*223187	1	Valve & plunger	228816	1	Washer
223203	2	Trip washer	229754	1	Extension tube
223678	1	Pump packing & piston ass'y.	231347	1	Piston & roll pin ass'y.
223680	1	Screen	231572	1	Cylinder cap
224156	1	Spring	236684	1	Piston
225371	1	Rubber cushion	236685	1	O-Ring

* Included in 240564 Repair Kit for Models 91-662, 93662, YA-662, 91-666, 93666, YA-666, 91-667, 93667 & YA-667

© Indicates Change

Model	Air Cylinder	Pump Rod	Elbow	Pump Cylinder	Spring	Trip Spring	Return Spring	Washer
229752	224034	224038	222202	229755	226153	225384	223173	224469
229999	223176	231619	222202	230000	226153	225384	223173	224469
230289	228804	228812	230822	230291	228807	228809	228805	—————

Model	Air Hose Assembly	Pipe Nipple	Air Valve	Piston Assembly	Spring & Rubber Cushion	Pump Cylinder & Tube Assembly	Retaining Ring	Air Hose Clamp
229752	230430	226483	223180	228930	223194	229753	221820	—————
229999	224021	226483	223180	231604	223194	—————	221820	—————
230289	230985	—————	223180	228810	228806	—————	—————	230820

TROUBLESHOOTING

Problem	Solution
1) Air pump does not cycle, air rushing out exhaust port.	225371 Rubber Cushion on Spring may have been dislodged - Replace rubber cushion. 223187 Valve & Plunger may be stuck open - Clean valve and valve seat. Replace valve & plunger if necessary. Weep holes in 223183 Retainer Plug may be plugged - Remove and clean. Reassemble to dimension shown on front page. Return Spring may be broken - Replace spring.
2) Air pump does not cycle, no air from exhaust port.	223187 Valve & Plunger not opening - Check for bent 223202 Trip Washer or a bent or rusted valve plunger. Replace parts as necessary.
3) Jack raises load slower than normal, air pump cycles slowly.	Air restriction in line between air valve and air pump - Clear restriction from hose or air valve. Weep holes in 223183 Retainer Plug may be plugged - Remove and clean. Reassemble to dimension shown on front page.
4) Jack raises load slower than normal, air pump cycles rapidly.	Trip Spring may be deformed or broken - Replace trip spring.

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.