



# PNEUMATIC LIFT

## CYLINDER SEALS & BUSHING REPLACEMENT



**CAUTION: TURN LIFT UPSIDE DOWN ON FLOOR, EXTEND LIFT TO UP POSITION, LOCK SAFETY BAR INTO POSITION, RELEASE ALL AIR PRESSURE AND DISCONNECT AIR SUPPLY LINE BEFORE WORKING ON CYLINDER.**

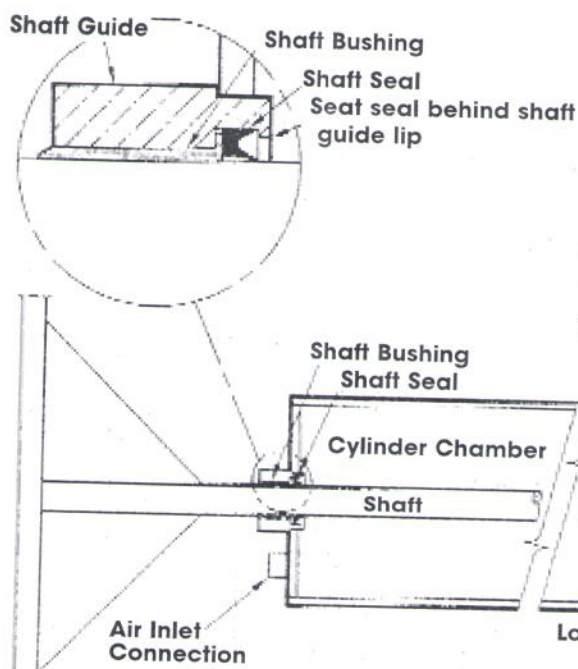
1. Remove end plate from cylinder assembly, then remove piston securing bolt. Refer to cylinder illustration below.
2. Push shaft into cylinder to slide piston out, then pull shaft from cylinder.
3. Reach thru cylinder to remove shaft seal and bushing.
4. Clean any dirt or residue from shaft guide and inside of cylinder, then install new shaft bushing and shaft seal. Refer to cylinder illustration.

**SHAFT BUSHING NOTE:** Shaft bushing may be somewhat difficult to insert - be sure it's flange is seated against shaft guide.

**SHAFT SEAL NOTE:** V-shape of shaft seal must face into cylinder chamber to function properly. Also, seal must be seated behind guide lip.

5. Using caution to avoid damage to bushing or seal, insert shaft through shaft bushing/guide. Check seal to be sure it is properly seated.  
NOTE: Some flaring may have occurred at bolt end of shaft during assembly. If flaring is present, file shaft to remove flaring prior to installing shaft in cylinder.
6. Install new seal on piston so that V-shape of seal faces into cylinder chamber and piston inset faces out.
7. Using existing lockwasher and bolt, secure piston to shaft.
8. Very carefully guide piston and seal into cylinder avoiding damage to edge of seal. Some light pneumatic oil may be applied to seal to ease this assembly.
9. Mount cylinder to endplate and secure. Tighten nuts evenly to avoid distortion of end plate.
10. Lightly oil cylinder rod and squirt some oil through air bleed hole in cylinder end plate to lubricate piston and seal.

### SHAFT SEAL/BUSHING DETAIL



### PISTON DETAIL

