

# Rebuild Instructions

## Cylinder Rebuild Instructions

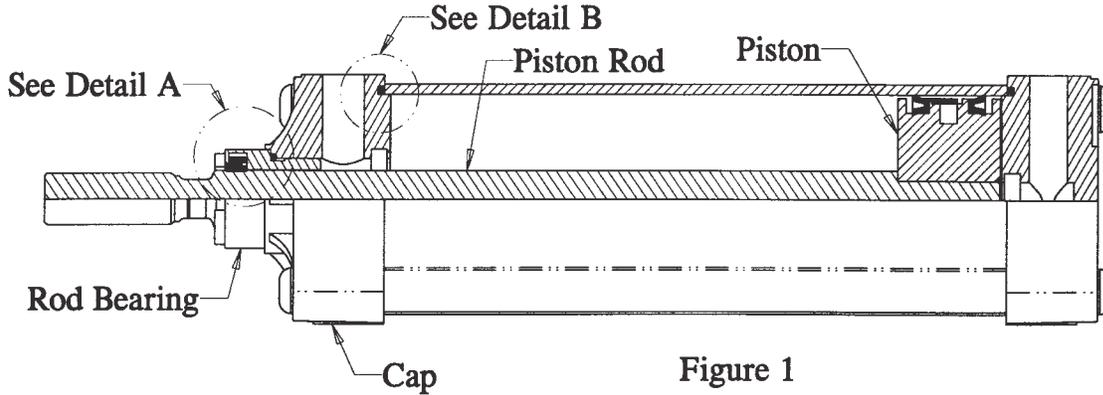
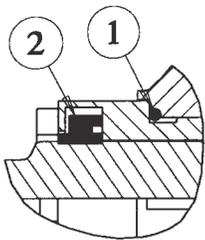


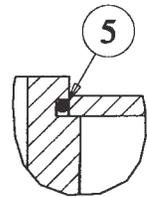
Figure 1



Detail A

### Bill of Materials

ITEM	QTY.	DESCRIPTION
1	1	O-Ring, Rod Bearing
2	1	Seal, Rod Wiper
3	2	Seal, Piston
4	1	Ring, Piston Wear
5	2	O-Ring, Cylinder Cap



Detail B

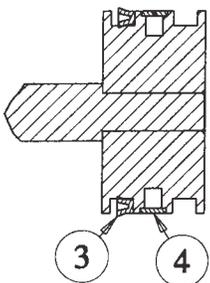


Figure 2

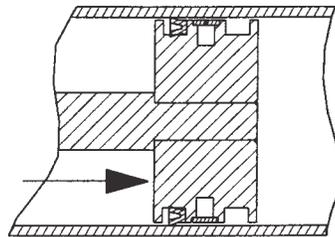


Figure 3

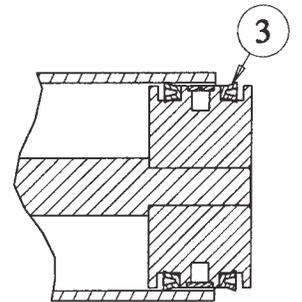


Figure 4

Use these Instructions for the following replacement parts kits:

TGC25008CKBK & TGC32508CKBK Bearing Kits  
 TGC25008CKRK & TGC32508CKRK Seal Kits

### Rod Bearing Removal, Seal Replacement, and Installation:

(Cylinder cap removal not required.) Leakage around the cylinder's rod by the brass rod bearing will normally indicate that the seals and possibly the rod bearing need to be replaced.

### **Rod Bearing Removal:**

1. Inspect the piston rod for burrs and any foreign matter that may prevent sliding the bearing off the rod.
2. Disconnect any attachments to the piston rod and thread.
3. Lubricate rod with a small amount of the grease supplied.
4. Unscrew the rod bearing from the cap by carefully using a pipe wrench to grip on the outside of the bearing. (Some cosmetic damage to bearing may occur.)

—continued on other side



5. Slide rod bearing off the piston rod.
6. Make sure that the rod bearing o-ring comes off with bearing.

#### **Rod Bearing Seal Replacement:**

If you are installing a bearing kit (TGC25008CKBK & TGC32508CKBK) please skip to step 11.

7. Remove the rod wiper seal and o-ring from bearing. Be careful not to scratch the inside surfaces of the rod bearing.
8. Clean bearing groove and O-ring seat from any foreign material.
9. Lubricate bearing groove and rod wiper seal. Install wiper seal into bearing groove.
10. Install new rod bearing O-ring over threads on bearing.

#### **Rod Bearing Installation:**

11. Clean and lubricate the rod and O-ring seat in the cap with a small amount of the grease supplied.
12. Inspect new or repaired rod bearing to make sure the seals are seated properly.
13. Lubricate both seals and the inside of the rod bearing.
14. Slid the rod bearing over the cylinder rod and thread it into the cylinder's cap.
15. Tighten with pipe wrench until the bearing O-ring is seated firmly on the cap. (Some cosmetic damage to bearing may occur.)

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#### **Cylinder Cap and Piston Seal Replacement:**

If you are installing a bearing kit TGC25008CKBK & TGC32508CKBK please disregard this section.

1. Disassemble the cylinder caps, remove the old seals from the piston and caps, and clean all parts. **Note: The piston rod should not be disassembled from the piston because the threads have a sealing adhesive in them.** Inspect the cylinder bore and piston for evidence of scoring. The light scratch marks usually present on both the cylinder and piston will generally have no detrimental effects on performance of the cylinder.
2. Apply grease supplied to outside diameter of piston and all grooves.
3. Install one of the piston seals into the groove nearest the rod. The two lips of the seal should face toward the rod end of the piston. *See Figure 2.*
4. Install wear ring to center groove. *See Figure 2.*
5. Lubricate inside of cylinder tube with grease and insert piston and rod assembly into tube piston end first. *See Figure 3.*

6. Slide piston and rod assembly through the cylinder tube (piston end first) until the groove for the second is exposed. *See Figure 4.* Be careful not to push the piston too far. If you expose the wear strip and first piston seal you must push the piston completely through and start this step over.
7. Install second piston seal into the exposed groove with the two lips facing away from the rod end and pull the piston into the cylinder tube.
8. Install both caps complete with O-rings to cylinder tube and tighten screws.

#### **Warranty Information**

Buyers Products warrants all truck/trailer hardware manufactured or distributed by it, to be free from defects in material and workmanship for a period of one year from date of shipment. Parts must be properly installed and used under normal conditions. Any product which has been altered, including modification, misuse, accident or lack of maintenance will not be considered under warranty. Normal wear is excluded. The sole responsibility of Buyers Products under this warranty is limited to repairing or replacing any part or parts which are returned, prepaid, and are found to be defective by Buyers Products. Authorization from Buyers Products must be obtained before returning any part. No charges for transportation or labor performed on Buyers' products will be allowed under this warranty.