

Cylinder Field Repair Instructions

Disassemble

1

Drain the cylinder's hydraulic fluid by moving the rod in and out manually. Drain the fluid from the ports into a bucket or other container.

2

Clamp the cylinder securely in a vise and remove the clevis from the rod end. Using a hammer and flat punch, tap on one of the ridges of the locknut on the rod end of the barrel to break it free (counterclockwise). Once the locknut is loose continue turning and remove it.



3

Using a rubber mallet and flat punch, carefully tap the gland into the barrel until it is just past the retaining ring, exposing it. Remove the retaining ring.



4

Pull the rod straight out of the barrel removing the gland and piston with the rod.



5

Remove burs and paint on the end of the rod and then remove the gland. **DO NOT REMOVE THE PISTON.** Remove seals from internal components.



Reseal

6

Clean all the polished surfaces of all cylinder parts. Inspect the clean parts for nicks and scratches. You can smooth out slightly rough areas by buffing with an emery cloth.

7

Install new seals on the piston and gland. Put a light coat of oil on all parts.

Reassemble

8

After installing the new seals put the gland back on the rod. Reinstall the rod in the barrel. Using a rubber mallet and flat punch, carefully tap the gland into the barrel until it is just past the snap ring groove. Reinstall the snap ring.

9

Extend the rod out of the barrel to its full extent using the piston to push the gland back into place. Reinstall the locknut.