



Installation Instructions

E-Series Push/Pull Cylinder Service Kit 222508

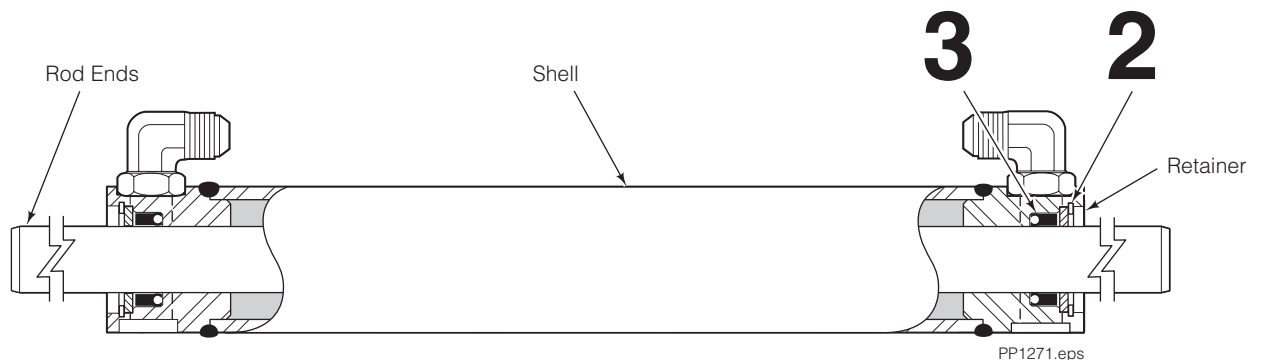
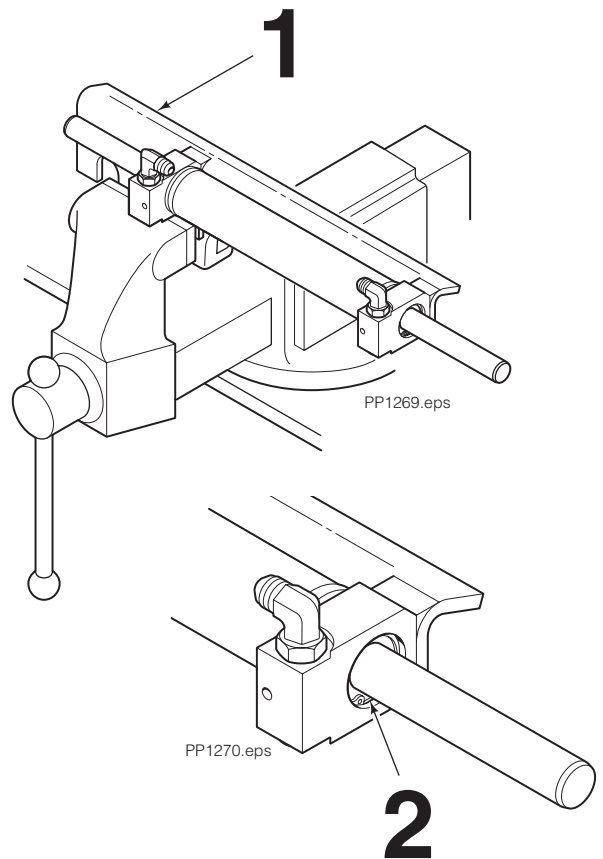
This sheet provides instructions to install Cylinder Service Kit 222508. The cylinder rod and shell are not serviceable parts. If the rod or shell need replacing, order a new cylinder assembly.

Cylinder Disassembly

- 1 Clamp the cylinder in a soft-jawed vise. Do not clamp on the cylinder shell.
- 2 Remove the snap rings from the retainers.
CAUTION: Do not scratch the retainer bore.
- 3 Remove the washers and seals from the retainer.

Cylinder Inspection

- Inspect the rod ends for nicks or burrs. Minor nicks or burrs can be removed with 400-grit emery cloth.
NOTE: Minor nicks are those that will not bypass oil under pressure. If nicks cannot be removed with emery cloth, replace the part.
- Inspect the shell for deformities that could weaken performance when under pressure. Replace if necessary.



Part No. 222509

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Cylinder Reassembly

- 1 Wash all components with cleaning solvent. Apply hydraulic oil to the inside of the retainers and seals.
- 2 **Note the direction of the U-cup seals.** Seals will not work properly if installed backwards. See illustration below.
- 3 Install the new seal in the retainer using the loaders provided.
- 4 Install the washer and retaining ring in the retainer.
- 5 Repeat for the retainer on the other end.

