



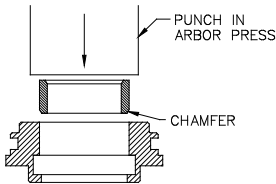
EF1 AIR CYLINDER GENERAL REPAIR INSTRUCTIONS

DISASSEMBLY-

Use snap-ring pliers to remove the snap ring. **(Note: Wear safety glasses. With single acting and reverse acting models, do not point the rod guide toward your face. Cylinder contents are under pressure.)** Grasping the rod, firmly pull the rod until the rod guide separates from the cylinder body. You can now remove all of the seals.

To remove the bushing, first remove the rod-wiper seal. Using a punch slightly larger than the rod diameter, press the bushing out. **See Figure 1.**

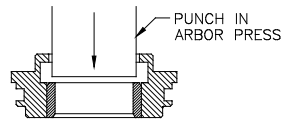
FIGURE 1



ASSEMBLY-

Press the bushing into the rod guide. Orient the bushing with the chamfer on the OD facing the rod guide. Press the bushing until it is flush with the inside face of the rod guide. **See Figure 2.**

FIGURE 2



Replace all seals. Insert the piston/rod assembly (and spring - **for single acting and reverse acting models only**) carefully into the cylinder body. Place the rod guide onto the piston rod. Press the rod guide in until you can see the snap ring groove. Replace the snap ring.

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