

Follow Steps I – IV from DADCO's Large Gas Spring Maintenance Instructions.

IV.a. Piston Rod Disassembly Continued from DADCO's Large Gas Spring Maintenance Instructions



1. Remove the wear ring.



2. Unscrew the four collar retainer screws connecting the rod retainers to the cushion collar, set screws aside for reassembly.



3. Remove the two retainer halves and set aside for reassembly.



4. Tap the cushion collar down to slide off the rod end and discard.

V. Cleaning & Inspection



1. Lightly polish the rod surface with an emery cloth (600 grit). Inspect the finish of the rod for any scratches or gouges. If the rod is damaged it must be replaced. The rod safety ring may remain in place.



2. Inspect the tube assembly for any damage, especially around the mouth. Polish out any scratches at the mouth to avoid damaging seals during the reassembly process. If damage to the tube is severe it must be replaced. Wash, clean and dry the inside of the tube assembly.

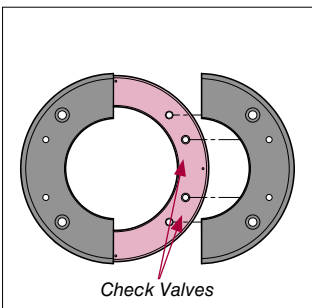
V.a. Rod Sub Assembly



1. Replace the retainer halves and add the wear ring.



2. Using some of the assembly oil lubricate the rod and slowly tap the new cushion collar onto the top of the rod. Using a mallet or an Arbor Press, seat the collar against the rod retainers.



3. Ensure correct alignment of the collar and rod retainer halves. Align the tapped holes in the collar with the tapped holes in the rod retainer. The check valves align with the smaller holes on the rod retainer. The above drawing depicts the correct alignment.



4. Fasten the cushion collar onto the rod retainer using the four collar retainer screws, torque value = 42 lb-in (5Nm).

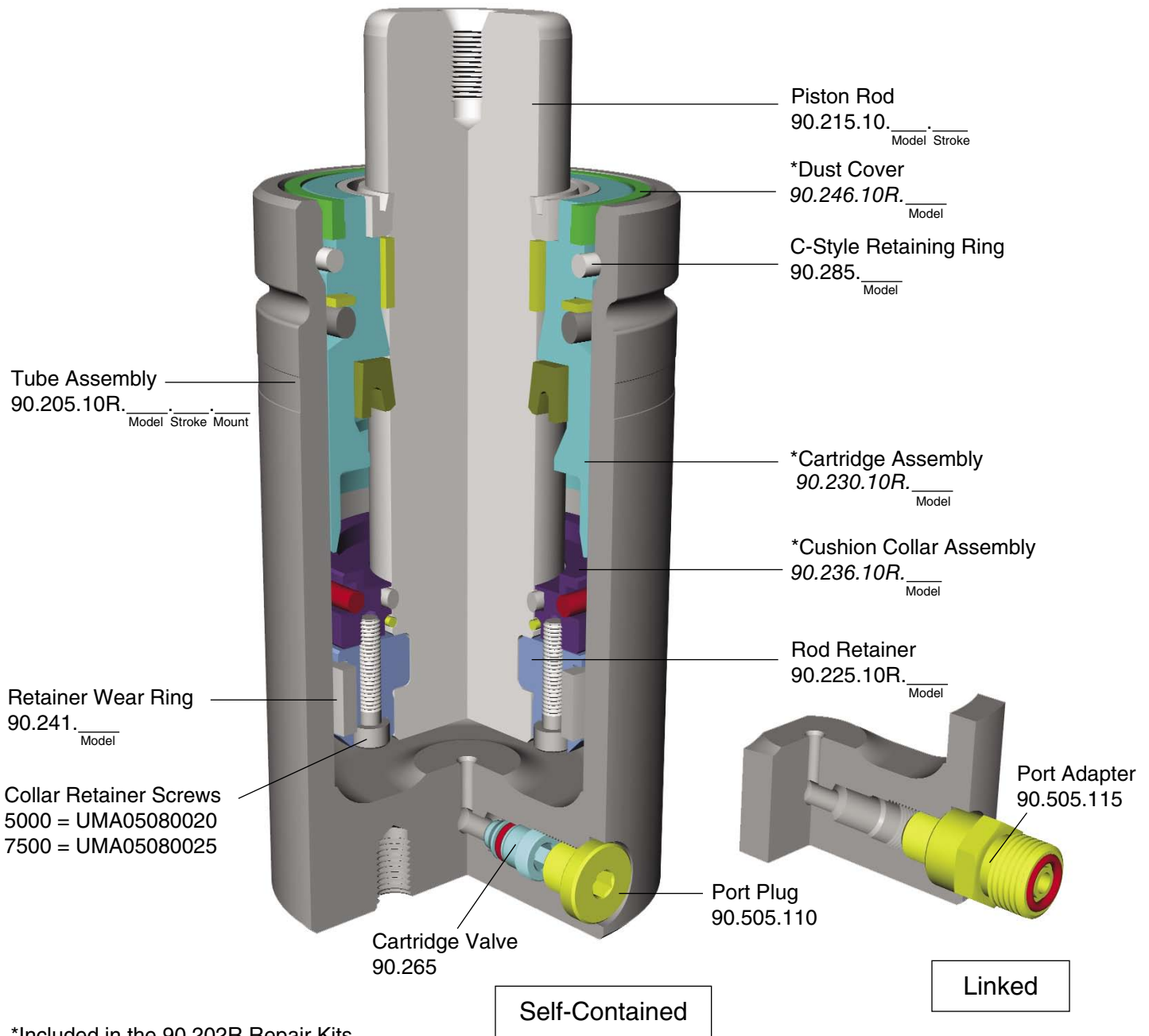


5. Position the cartridge assembly over the rod, making sure the wiper end marked "TOP" is facing up. Slide the cartridge down the rod to the cushion collar. Be careful not to force the cartridge at an angle as the seal could become damaged.



6. Extra oil should be applied to the housing o-ring, cushion seal and the inside of the housing.

Return to DADCO's Large Gas Spring Maintenance Bulletin Step VI., Step 3.



*Included in the 90.202R Repair Kits.

90.202R Repair Kits

Include a fully assembled cartridge, dust cover, cushion collar, bottle of assembly oil and a maintenance manual.

Model

90.10R.05000
90.10R.07500

Repair Kit No.

90.202R.05000
90.202R.07500