Use in conjunction with DADCO’s Nitrogen Gas Spring Maintenance Instructions for the 90.5B and 90.10 Series (B00113C)

Follow Steps I – IV (1-2) 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 and discard. **NOTE:** A 90.10 gas spring may be converted to a 90.10R gas spring by using the 90.203R Repair Kit.

2. Remove the two retainer halves and discard.

3. Tap or slide the cushion collar off from piston end. 90.10 Series Nitrogen Gas Springs will not have a cushion collar to remove.

IV.b. Piston Rod Disassembly (Continued from DADCO’s Large Gas Spring Maintenance Instructions)

1. Remove the two retainer halves and discard.

3. Tap or slide the cushion collar off from piston end. 90.10 Series Nitrogen Gas Springs will not have a cushion collar to remove.

*NOTE:* A 90.10 gas spring may be converted to a 90.10R gas spring by using the 90.203R Repair Kit.

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.

5. Install the new retainer halves and add the wear ring. Using a mallet or an Arbor Press, seat the collar against the rod retainers.

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.
NOTE: A 90.203R Repair Kit can be used to repair a 90.10R Series Gas Spring with repair kit number 90.201R.05000 or 90.201R.07500 laser marked on the cylinder. This repair kit can also be used to convert a 90.10 Series Gas Spring to a Reduced Impact Cushion–RIC™ Series Gas Spring. After reviewing this maintenance guide, if you require any additional training or have any questions please contact DADCO for assistance.