

### CAUTION!

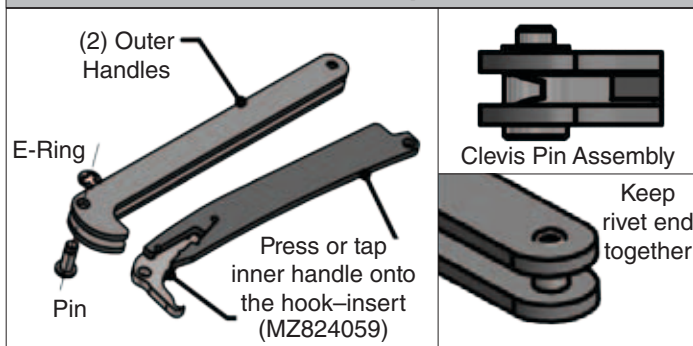
Do not attempt maintenance on a gas spring until internal pressure is exhausted. To verify that pressure has been exhausted, make sure that the piston rod can retract into the tube manually.

### Comprehensive Guide

This bulletin is a simple step-by-step guide for DADCO's C-Ring Removal Pliers 90.355. These pliers are used in conjunction with DADCO's other repair tools for proper repair of DADCO Nitrogen Gas Springs. For complete gas spring maintenance instructions please refer to the nitrogen gas spring maintenance manual supplied in every DADCO Gas Spring Repair Kit.

After reviewing this guide, if you require any additional training or have any questions please check out the 90.355 video on our website, or contact DADCO for assistance.

### 90.355 Tool Repair



Bulletin No. B13113C

# DADCO®

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## C-Ring Removal Pliers 90.355

**NOTE:** 90.355 is not recommended for use with 90.8/10.00750 or U/UK/UH/UT/UX.1000 models. **Use 90.356 tool for 750 and 1000 models.** For more information, refer to Bulletin #B15127A.



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For use with the following DADCO Nitrogen Gas Springs:

L / LJ / FCL  
U.0400 – 2600  
UK.0800 – 2600  
UH.0400 – 2600  
UT.2600  
90.8/90.10.1500  
SC.00420 – 04700

## C-Ring Removal Pliers Instructions

**CAUTION!** Do not attempt maintenance on a gas spring until internal pressure is exhausted. To verify that pressure has been exhausted, make sure that the piston rod can retract into the tube manually. If rod will not retract, stop and contact DADCO.



**F.1**  
1. Follow the maintenance instructions to discharge the gas spring pressure. Verify that the gas pressure has been exhausted by pushing the piston rod down manually. The rod will freely retract into the tube (F.1). If unsuccessful pushing down the rod completely then **STOP** and contact DADCO. To Access the C-Ring, remove the dust cover and push the rod cartridge below the C-style Retaining Ring groove.\*



**F.2**  
2. **HOOKING:** Position the claw end of the C-Ring Removal Pliers below the C-Ring. For best results hook the C-Ring about 6 mm or .25" from either end of the C-Ring (F.2). Be careful not to damage the gas spring rod. Models 400 through 750 have limited room between the tube and rod; be careful when capturing the C-Ring. The tool may need to be slid through the gap in the C-Ring and slid sideways underneath the C-Ring to position correctly.



**F.3**  
3. **LIFTING:** Once the hooked end of the tool is firmly seated below the C-Ring, begin pushing the pliers down to lift the C-Ring from the groove. The handles will close naturally as you complete this motion (F.3).  
**Note: Do not use excessive force; tool relies on technique instead of force.**

**90.8/10.00750, U, UK, UH, UT, & UX.1000** models should be serviced with the 90.356. Refer to Bulletin #B15127A for more information



**F.4**  
4. **PRYING:** To pry the C-Ring out, use the end of the pliers as a lever against the top edge of the can (F.4). The tool may need to be rocked back and forth several times to pry out the C-ring.  
**Note: The C-Ring will not extract if it is not properly hooked with the claw of the pliers, see step 2.** Remove the C-Ring from the gas spring can (F.5). The gas spring is now ready for disassembly. Refer to the appropriate maintenance manual for complete instructions.

\*For complete gas spring maintenance instructions please refer to the nitrogen gas spring maintenance manual supplied in every DADCO Gas Spring Repair Kit.