

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.

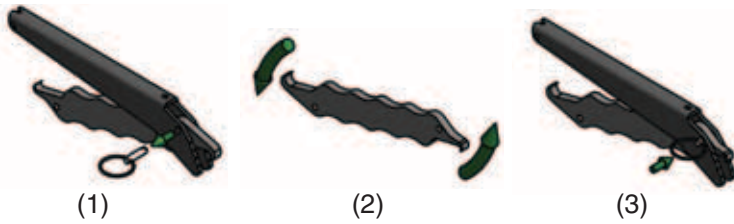
Comprehensive Guide

This bulletin is a simple step-by-step guide for DADCO's C-Ring Removal Pliers 90.356. 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 contact DADCO for assistance.

Handle Adjustment

To adjust the handle to the appropriate size gas spring: remove the pin (1), rotate the hook end (2) and re-insert the pin (3).



Bulletin No. B15127A
All DADCO bulletins and catalogs are available for download from our web site, www.dadco.net

DADCO®

C-Ring Removal Pliers 90.356



NOTE: Refer to our website, www.dadco.net, for the full repair demonstration.

DADCO®

43850 Plymouth Oaks Blvd.
Plymouth, MI 48170 • USA
1.734.207.1100
fax 1.734.207.2222
1.800.DADCO.USA
www.dadco.net

©DADCO, Inc. 2016
All Rights Reserved

For use with the following DADCO Nitrogen Gas Springs:

U.1000–U.20000
UH.1000–UH.6600
UT.1000–UT.9600
UX.1000–UX.20000
90.8.00750–90.8.07500
90.10.00750–90.10.07500
SC.01800–SC.18300

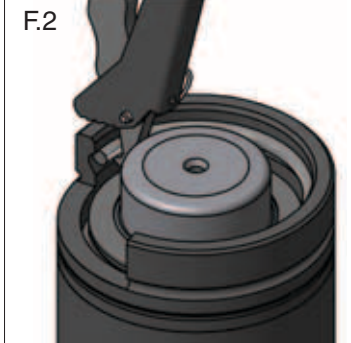
C-Ring Removal Pliers Instructions

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.

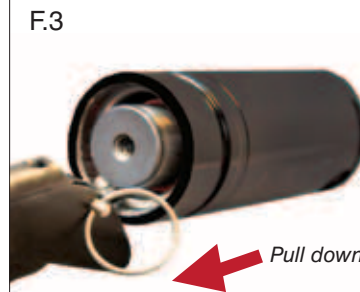
For complete gas spring maintenance instructions please refer to the nitrogen gas spring maintenance manual supplied in every DADCO Gas Spring Repair Kit or refer to our website, www.dadco.net, for the full repair video.



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. Ring may be removed in horizontal or vertical position.



Shown in horizontal position.

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.



F.4
4. **PRYING:** To pry the C-Ring out, use the notched end of the pliers as a lever against the top edge of the can (F.4). For larger models the tool may need to be reset to reposition the notched end of the tool.
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.