

DADCO Tools Guide

Use this Tools Guide to help determine which tools to use in the charging or repair of DADCO nitrogen gas springs. DADCO also offers our most popular tools in boxed sets for our three classifications of nitrogen gas springs: Micro, Mini and Large Series. For more information request bulletin B05143B.

Bulletin Key: U.R. = Manufactured Upon Request; N/A = Not Applicable



Micro (C) Series					
Gas Spring Model	Port Size	Charging			
		Charging Nipple	Charging Assembly	Analog Load Cell	Digital Load Cell
C.045	M6	90.310.143	90.310.041/ 90.310.044	90.300.00045	90.305.LC.05A
C.070				90.300.00090	
C.090				90.300.00180	
C.180				90.300.00250	
C.250					

LJ / L Series									
Gas Spring Model	Port Size	Charging				Standard Repair			
		Charging Nipple	Charging Assembly	Analog Load Cell	Digital Load Cell	Removal Sleeve	C-Ring Removal Tool	T-Handle	C-Ring Installation Tool
LJ / L.300	M6	90.310.143	90.310.040/ 90.310.041/ 90.310.044	90.300.0300	90.305.LC.05A	90.340.00300	90.355	90.320.M	90.351.00300
LJ / L.500				90.300.0500		90.340.00500			90.351.00500
LJ / L.750				90.300.0750		90.340.00750			90.351.00750

Ultra Force® Series / UK Series / UH Series/ UT Series											
Gas Spring Model	Port Size	Charging				Standard Repair					
		Charging Nipple	Charging Assembly	Analog Load Cell	Digital Load Cell	Removal Sleeve	C-Ring Removal Tool	T-Handle	Assembly Cap	Cartridge Starter Kit	C-Ring Installation Tool
U.0175	M6	90.310.143	90.310.041/ 90.310.044	90.300.00175	90.305.LC.05A	N/A	N/A	N/A	N/A	N/A	N/A
U.0325				90.300.0325		N/A	N/A	N/A	N/A	N/A	
U, UH.0400	M6 / G 1/8	90.310.143/ 90.310.111	90.310.040/ 90.310.041/ 90.310.044	90.300.0300	90.305.LC.05A	90.340.00400	90.355	90.320.M	90.330.00500	90.335.00400	90.351.00400
U, UH.0600				90.300.0500		90.340.00600			90.330.00600	90.335.00600	90.351.00300
U, UK, UH, UX.0800				90.300.0750		90.340.00750	90.330.00800		90.335.00750	90.351.00500	
U, UK, UT UH, UX.1000				90.300.1000		90.340.00750	90.330.01000		90.335.01000	90.350.00750	
U.1200	M6	90.310.143		90.300.1200			90.355		90.330.01200	90.335.01200	90.351.00750
U, UK, UH, UX.1600	M6 / G 1/8	90.310.143/ 90.310.111	90.310.040/ 90.310.041/ 90.310.044	90.300.01500	90.305.LC.50A	90.340.01600	90.355, 90.356	90.320.M	90.330.01600	90.335.01600	90.352/ 90.351.01600
U, UK, UT UH, UX.2600				90.300.2600		90.340.01500	90.355, 90.356		90.330.02600	90.335.02600	90.352
U, UT UH.4600	G 1/8	90.310.111	90.310.040/ 90.310.041/ 90.310.044	90.300.4600	90.305.LC.50A	90.340.03000	90.356	90.320.M	90.330.04600	90.335.04600	
U, UT UH UX.6600				90.300.6600		90.340.05000			90.330.06600	90.335.06600	
U, UT, UX.9600				90.300.9600		90.340.07500			90.330.09600	90.335.09600	
U / UX.20000				90.300.20000		90.340.10000			90.330.20000	90.335.20000	

90.10 / 90.8 Series											
Gas Spring Model	Port Size	Charging				Standard Repair					
		Charging Nipple	Charging Assembly	Analog Load Cell	Digital Load Cell	Removal Sleeve	C-Ring Removal Tool	T-Handle	Assembly Cap	Cartridge Starter Kit	C-Ring Installation Tool
90.10.00170	M6	90.310.143		90.300.00250	90.305.LC.05A	90.340.00400	90.355	90.320.M	N/A	N/A	90.351.00400
90.10.00500	G 1/8	90.310.111	90.310.040/ 90.310.041/ 90.310.044	90.300.00500		90.340.00500			N/A	90.335.00600	90.351.00500
90.10 / 90.8.00750				90.300.0750		90.340.00750	90.355, 90.356		90.330.00800	90.335.00750	90.350.00750
90.10 / 90.8.01500				90.300.01500	90.340.01500	90.355, 90.356	90.330.02600	90.335.01600	90.352		
90.10 / 90.8.03000				90.300.03000	90.340.03000	90.356	90.330.04600	90.335.03000			
90.10 / 90.8.05000				90.300.05000	90.340.05000		90.330.06600	90.335.05000			
90.10 / 90.8.07500				90.300.07500	90.340.07500		90.330.09600	90.335.07500			
90.10.10000				90.300.10000	90.340.10000		90.330.20000	90.335.10000			

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SC / SCS Series										
Gas Spring Model	Port Size	Charging				Standard Repair				
		Charging Nipple	Charging Assembly	Analog Load Cell	Digital Load Cell	C-Ring Removal Tool	T-Handle	Rear Head Tool*	Seal Installation Tool	C-Ring Installation Tool
SC.00420	M6	90.310.143		98.300.00420	90.305.LC.05A	90.355	N/A	N/A	N/A	N/A
SC.00740				90.300.0750					98.357D.00740	90.351.00400
SC.01000				98.300.01000					98.357D.01000	90.351.00300
SC.01800	G 1/8	90.310.111	90.310.040/ 90.310.041/ 90.310.044	98.300.01800	90.305.LC.50A	90.355 / 90.356	90.320.M	98.328	U.R.	90.350.00750
SC.03500				98.300.03500					U.R.	90.352 / 90.351.01600
SCS.4300				N/A					N/A	90.350.01500
SC.04700				98.300.04700					U.R.	90.352
SCS.7000				N/A					N/A	90.350.03000
SC.07500				98.300.07500					U.R.	90.352
SC.11800				98.300.11800					U.R.	
SC.18300				98.300.18300					U.R.	

*Note: DADCO's Rear Head Tool (98.328) is similar in look to the T-Handle pictured below and is only used in conjunction with SC Series nitrogen gas springs.

SCR Series					
Gas Spring Model	Port Size	Charging			
		Charging Nipple	Charging Assembly	Analog Load Cell	Digital Load Cell
SCR.0500	M6	90.310.143	90.310.041/ 90.310.044	90.301.0500	90.305.LC05A
SCR.0800				90.300.0750	
SCR.1900				90.300.1900	
SCR.3200				90.300.2600	

Hose & Crimp Tools				
Hose	Crimp Die	Ring	Crimp Diameter	Hose Crimp Gage
90.400 (Y-400)	80C-P04 Red Die	82C-R01 Ring	14.22 - 14.73 .560 - .580	90.320.CG or Calipers
90.500 (Y-500)	80C-P03 Gray Die	82C-R01 Ring	12.19 - 12.70 .480 - .500	90.320.CG or Calipers
90.700 (Y-700)	MINI-CRIMP - 90.710.8	No Ring Required	7.00 - 7.25 .276 - .285	90.320.CG or Calipers
90.705 (Y-705)	MINI-CRIMP - 90.710.8	No Ring Required	7.00 - 7.25 .276 - .285	90.320.CG or Calipers

Common Tools

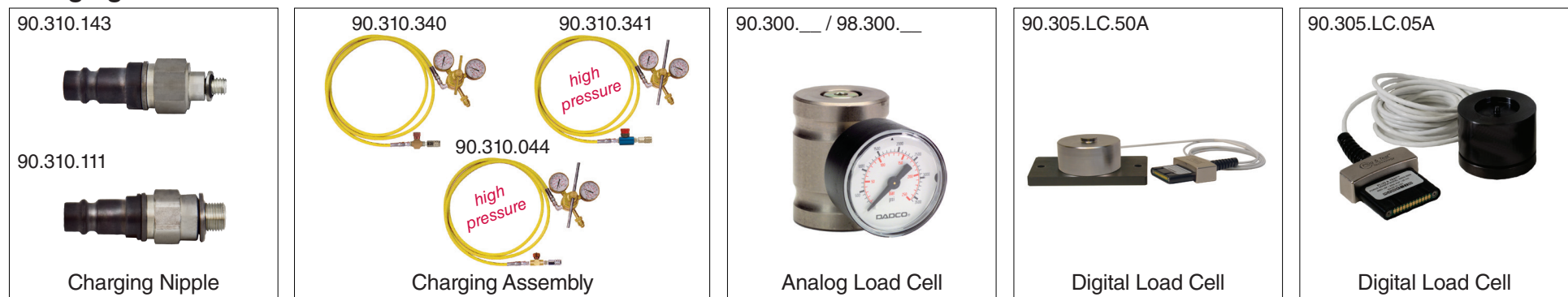
DADCO offers a set of common tools that may be used across all series of DADCO nitrogen gas springs. Note: Digital Meter 90.305.BGA must be used with either Load Cell 90.305.LC.05A or 90.305.LC.50A for a proper reading.



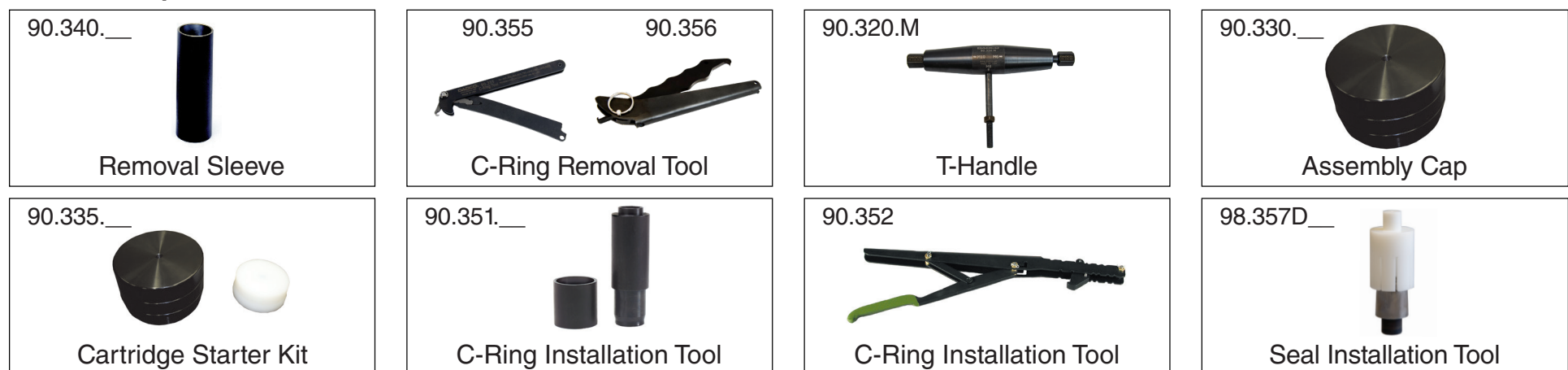
Specific Repair Tools

DADCO offers specific tools for individual models or series. Pictured below are examples of each tool. Note: Tools may vary in size, the tools shown below are not to scale. Charging Assembly, 90.310.341, is a high pressure model used for charging pressures above 2200 psi (152 bar). DADCO offers a variety of Test Stands to suit your needs; please see the individual bulletins for detailed information on which Test Stand to use with your gas spring.

Charging Tools



Standard Repair



Test Stands

