

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.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	90.320.1	90.351.00300
LJ.500				90.300.0500		90.340.00500		90.351.00500	
LJ.750				90.300.0750		90.340.00750		90.351.00750	
L.300				90.300.0300		90.340.00300		90.351.00300	
L.500				90.300.0500		90.340.00500		90.351.00500	
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	90.320.1	N/A	U.R.	90.351.00400
U, UH.0600				90.300.0500		90.340.00600		N/A	U.R.	90.351.00300	
U, UK, UH.0800				90.300.0750		90.340.00750		N/A	U.R.	90.351.00500	
U, UK, UT UH.1000	M6	90.310.143	90.310.040/ 90.310.041/ 90.310.044	90.300.1000	90.305.LC.05A	90.340.00750	90.356	90.330.1000	U.R.	90.350.00750	
U.1200				90.300.1200		90.340.01600		90.355, 90.356	90.330.1200	U.R.	90.351.00750
U, UK, UH.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.05A	90.340.01600	90.355, 90.356	90.320.2	90.330.1600	U.R.	90.352/ 90.351.01600
U, UK, UT UH.2600				90.300.2600		90.340.01500		90.355, 90.356	90.330.2600	U.R.	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	90.330.4600	U.R.		
U, UT UH.6600				90.300.6600		90.340.05000		90.330.6600	U.R.		
U, UT.9600				90.300.9600		90.340.07500		90.330.9600	90.335.9600		
U.20000				90.300.20000		90.340.10000		90.320.10	90.330.20000	90.335.20000	

Ultra Force Extended® 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
UX.0800	G 1/8	90.310.111	90.310.040/ 90.310.041/ 90.310.044	90.300.0750	90.305.LC.05A	90.340.00750	90.355	90.320.2	N/A	U.R.	90.351.00500
UX.1000				90.300.1000			90.356		90.330.01000	U.R.	90.350.00750
UX.1600				90.300.01500		90.340.01600	90.355, 90.356		90.330.01600	U.R.	90.352/ 90.351.01600
UX.2600				90.300.2600		90.340.01500	90.355, 90.356		90.330.2600	U.R.	90.352
UX.4600				90.300.4600		90.340.03000	90.356		90.330.4600	U.R.	
UX.6600				90.300.6600		90.340.05000			90.330.6600	U.R.	
UX.9600				90.300.9600		90.340.07500			90.330.9600	90.335.9600	
UX.20000				90.300.20000		90.340.10000				90.320.10	90.330.20000

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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	90.310.040/ 90.310.041/ 90.310.044	90.300.00250	90.305.LC.05A	90.340.00400	90.355	90.320.1	N/A	N/A	90.351.00400
90.10.00500	G 1/8			90.300.00500		90.340.00500		90.355, 90.356	N/A	U.R.	90.351.00500
90.10.00750				90.300.07500		90.340.00750			N/A	U.R.	90.350.00750
90.10.01500				90.300.01500		90.340.01500	90.355, 90.356	90.320.2	90.330.2600	U.R.	90.352
90.10.03000				90.300.03000		90.340.03000	90.356	90.330.4600	U.R.		
90.10.05000				90.300.05000		90.340.05000		90.330.6600	U.R.		
90.10.07500				90.300.07500		90.340.07500		90.330.9600	90.335.07500		
90.10.10000				90.300.10000		90.310.10000		90.320.10	90.330.20000	90.335.10000	
90.8.00750				90.300.07500		90.340.00750	90.355 / 90.356	N/A	U.R.	90.350.00750	
90.8.01500				90.300.01500		90.340.01500	90.355 / 90.356	90.320.2	90.330.2600	U.R.	90.352
90.8.03000				90.300.03000		90.340.03000	90.356	90.330.4600	U.R.		
90.8.05000	90.300.05000			90.340.05000		90.330.6600		U.R.			
90.8.07500	90.300.07500	90.340.07500	90.330.9600	90.335.07500							

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	90.310.040/ 90.310.041/ 90.310.044	98.300.00420	90.305.LC.05A	90.355	N/A	N/A	N/A	N/A
SC.00740				90.300.07500			90.320.1	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	90.320.1	98.328	U.R.	90.350.00750
SC.03500				98.300.03500			U.R.		90.352 / 90.351.01600	
SCS.4300				N/A			90.320.2		N/A	U.R.
SC.04700				98.300.04700			90.320.1		U.R.	90.352
SC.07500				98.300.07500	90.320.2	U.R.				
SC.11800				98.300.11800	90.320.1	U.R.				
SC.18300				98.300.18300	90.320.2	U.R.				

*Note: DADCO's Rear Head Tool (98.328) is similar in look to the T-Handles 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				90.300.07500	
SCR.1900				90.300.1900	
SCR.3200				90.300.2600	

Tool Reference

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.

