

7929 Lincoln Ave. Riverside, CA 92504
 Phone: 951.689.ICON Fax: 951.689.1016

PART #	DESCRIPTION
252004	NITROGEN CHARGE PORT NEEDLE FILL TOOL

COMPONENTS INCLUDED	
(1) 255510 1/8" NPT SCHRADER (1) 255517 BRASS COMPRESSION FITTING	(1) 255464-V -008 O-RING VITON 75A BROWN (1) 255566 20 GA X 1 CHARGING NEEDLE
HARDWARE INCLUDED	
N/A	
TOOLS REQUIRED	
N/A	
TECH NOTES	
<p>1. IF UNSURE OF RECOMMENDED NITROGEN PRESSURE, PLEASE CALL ICON AT (951) 689-4266.</p> <p>2. ICON RECOMMENDS CHECKING SHOCK NITROGEN LEVELS EVERY 6 MONTHS OR 10,000 MILES.</p>	



WARNING!

**** READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!**

**** ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.**

**** ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLATION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.**

INSTALLATION

WARNING! ICON VEHICLE DYNAMICS STRONGLY RECOMMENDS THAT YOU WEAR EYE PROTECTION TO PREVENT EYE INJURY FROM ESCAPING NITROGEN OR OTHER DEBRIS. USE EXTREME CAUTION WHEN HANDLING/ASSEMBLING THE NEEDLE FILL TOOL!

1. Remove the retainer nut from the adapter. **WARNING:** To prevent injury, leave protective cover on needle while installing on tube. Slide the needle over the stainless steel tube extending from the adapter. [FIGURE 1]

FIG.1



NOTE: Do not force the needle onto tube, the needle will seat when retaining nut is tightened.

2. Remove the protective cover from the needle then verify that the o-ring is on the tube. Replace the protective cover on the needle, taking care not to injure yourself with the sharp point. [FIGURE 2]

FIG.2



FIG.3

3. Install retainer nut and tighten until the o-ring and needle are seated. [FIGURE 3]

NOTE: To remove needle, first replace the needle cover. Use pliers on tapered plastic part of needle and carefully twist while pulling off.

4. Remove the screw that covers the self sealing rubber valve on the shock. While holding the reservoir body, insert the needle into the self sealing rubber valve as straight as possible. Avoid bending the needle, which could result in breakage. [FIGURE 4]

FIG.4



5. Set the nitrogen tank regulator outlet pressure to ICON Vehicle Dynamics' recommended nitrogen pressure setting. Using the fitting from the nitrogen tank regulator to pressurize the ICON nitrogen charge port needle fill tool to the recommended nitrogen pressure setting.

6. Pull needle assembly out of self sealing rubber valve and replace cover screw over valve. Install protective cover over needle when not in use.

ICON VEHICLE DYNAMICS LIMITED LIFETIME WARRANTY

ICON Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. ICON Vehicle Dynamics does not warrant the product for finish, alterations, modifications and/or installation contrary to ICON Vehicle Dynamics instructions. ICON Vehicle Dynamics products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

ICON Vehicle Dynamics' obligation under this warranty is limited to the repair or replacement, at ICON Vehicle Dynamics' discretion, of the defective product. Any and all costs of removal, installation or re-installation, freight charges and incidental or consequential damages are expressly excluded from this warranty. Items that are subject to wear are not considered defective when worn and are not covered.

ICON Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty.

This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.