



INSTRUCTIONS

QA1 P/N 7791-147 [Hyperscrew Fill Tool](#)

READ ALL INSTRUCTIONS CAREFULLY AND THOROUGHLY PRIOR TO STARTING INSTALLATION. PRODUCTS THAT HAVE BEEN INSTALLED ARE NOT ELIGIBLE FOR RETURN. USE THE PROPER JACKING LOCATIONS. DEATH OR SERIOUS INJURY CAN RESULT IF INSTRUCTIONS ARE NOT CORRECTLY FOLLOWED. A GOOD CHASSIS MANUAL, AVAILABLE AT YOUR LOCAL PARTS STORE, MAY ALSO AID IN YOUR INSTALLATION.

• DISCLAIMER / WARRANTY •

QA1 WARRANTS THAT THE PRODUCTS WILL BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR ONE YEAR FROM DATE OF SALE TO THE ORIGINAL PURCHASER. QA1 MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED. QA1 SHALL HAVE NO OBLIGATION UNDER THE FOREGOING WARRANTY WHERE THE DEFECT IS THE RESULT OF IMPROPER OR ABNORMAL USE, YOUR NEGLIGENCE, VEHICLE ACCIDENT, IMPROPER OR INCORRECT INSTALLATION OR MAINTENANCE, NOR WHEN THE PRODUCT HAS BEEN REPAIRED OR ALTERED IN ANY WAY. QA1'S LIABILITY IN THE CASE OF DEFECTIVE PRODUCTS SUBJECT TO THE FOREGOING WARRANTY SHALL BE LIMITED TO THE REPAIR OR REPLACEMENT, AT QA1'S OPTION, OF THE DEFECTIVE PRODUCTS.

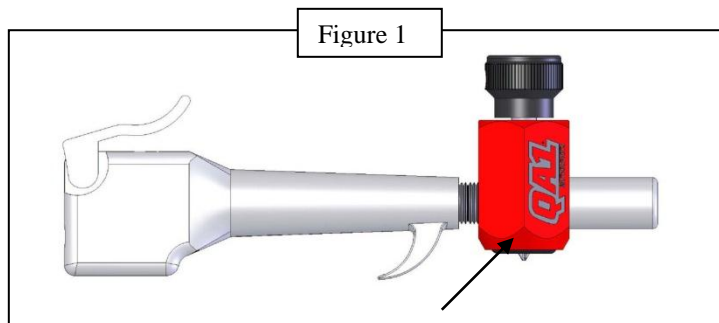
THE USER UNDERSTANDS AND RECOGNIZES THAT RACING PARTS, SPECIALIZED STREET ROD EQUIPMENT, AND ALL PARTS AND SERVICES SOLD BY QA1 ARE EXPOSED TO MANY AND VARIED CONDITIONS DUE TO THE MANNER IN WHICH THEY ARE INSTALLED AND USED. QA1 SHALL BEAR NO LIABILITY FOR ANY LOSS, DAMAGE OR INJURY, EITHER TO A PERSON OR TO PROPERTY, RESULTING FROM THE INSTALLATION, DIRECT OR INDIRECT USE OF ANY QA1 PRODUCTS OR INABILITY BY THE BUYER TO DETERMINE PROPER USE OR APPLICATION OF QA1 PRODUCTS. WITH THE EXCEPTION OF THE LIMITED LIABILITY WARRANTY SET FORTH ABOVE, QA1 SHALL NOT BE LIABLE FOR ANY CLAIMS, DEMANDS, INJURIES, DAMAGES, ACTIONS, OR CAUSES OF ACTION WHATSOEVER TO BUYER ARISING OUT OF OR CONNECTED WITH THE USE OF ANY QA1 PRODUCTS. MOTORSPORTS ARE DANGEROUS; AS SUCH, NO WARRANTY OR REPRESENTATION IS MADE AS TO THE PRODUCT'S ABILITY TO PROTECT THE USER FROM INJURY OR DEATH. THE USER ASSUMES THAT RISK!

CAREFULLY READ ALL INSTRUCTIONS BEFORE HANDLING SHOCK OR TOOL

CHARGING SHOCK / ADJUSTING GAS PRESSURE:

▲ WARNING CONTENTS UNDER PRESSURE! USE EXTREME CAUTION WHEN PRESSURIZING/CHARGING OR DEPRESSURIZING SHOCK! FAILURE TO DO SO COULD CAUSE SERIOUS INJURY OR DEATH.

▲ WARNING CAREFULLY EXAMINE FIGURE 1 WARNING BEFORE PROCEEDING.

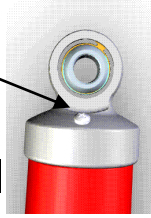


▲ WARNING USE EXTREME CAUTION WHEN CHARGING SHOCK! DO NOT PUT SKIN OR ANY BODY PART UNDER THE FILL TOOL PORT AT ANY TIME. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH!

1. If you are only **adjusting** gas pressure:
 - i. Depressurize shock by **SLOWLY** loosening the hyper-screw located on the cap. When all pressure is relieved, completely remove the screw. See **Figure 2**.
 - ii. With the screw removed, make certain that the shock is depressurized by fully collapsing the piston rod. If the rod remains collapsed, then the shock is relieved of all gas pressure and you may proceed to the next step. If the shaft extends at all, you have failed to remove the screw located in the cap and need to refer back to step 1.

WARNING! Loosen hyper-screw located in cap very slowly to relieve all gas pressure before disassembling.

Figure 2



2. Insert hyper-screw into the cap all the way but do not tighten.
3. Using the QA1 inflation tool, insert the locator stud into the eyelet. See **Figure 3**.

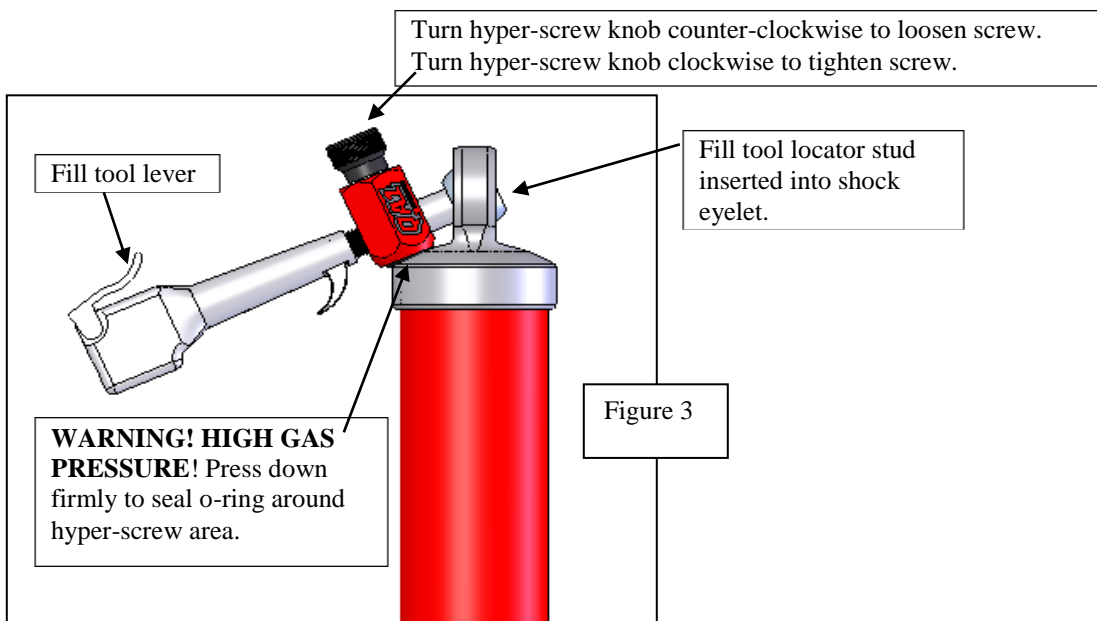
Turn hyper-screw knob counter-clockwise to loosen screw.
Turn hyper-screw knob clockwise to tighten screw.

Fill tool lever

Fill tool locator stud inserted into shock eyelet.

Figure 3

WARNING! HIGH GAS PRESSURE! Press down firmly to seal o-ring around hyper-screw area.



4. Set your regulator gauge to the desired pressure.
5. Press down firmly to seal the o-ring onto the cap surface around the hyper-screw.
6. Squeeze the fill tool lever to pressurize the system. **▲ WARNING USE EXTREME CAUTION WHEN CHARGING SHOCK! DO NOT PUT SKIN OR ANY BODY PART UNDER THE FILL TOOL PORT AT ANY TIME. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH!**
7. Push down the hyper-screw knob while turning it counterclockwise to loosen the hyper-screw and allow the rod to extend.
8. When the rod is fully extended, filling is complete. Tighten the hyper-screw by turning the knob clockwise.
9. When the screw is tight, release the fill tool lever and remove the tool from the shock.
10. The gas pressure is now set.
- 11.

To further upgrade your suspension, use other QA1 suspension products such as carbon fiber driveshafts, coil-overs, shocks, struts, springs, K-members, torque arms, panhard rods, sub-frame connectors, strut tower braces, rod ends, sway bars, tubular control arms, spherical bearings, and more.