

Nitrogen (N2) Shock Filler Kit Instructions:

Congratulations. You've just purchased the easiest-to-use nitrogen shock filler tool on the market. As you know, dealing with high pressure gas can be very dangerous. People have lost fingers, eyes, and even their lives while mis-handling high pressure gas. **PLEASE READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE ATTEMPTING TO USE THIS SYSTEM so this doesn't happen to you.**

YEAH, THESE ARE SMART THINGS TO KNOW:

Never lubricate high pressure regulators. If you are having a problem with your regulator please call us for advice or send the regulator to us for inspection. Never assume that your bottle is empty. Always treat it as if it has pressure in it. Never let this system out of your sight where someone might accidentally injure themselves with it or loan it out without proper instructions. Always wear proper eye protection and full finger gloves when operating this equipment.

OK, HOW DO I FILL THIS THING (N2 Mini Bottle)?

The first thing you'll have to do is get your kit bottle filled with nitrogen (N2). You can do this at a welding or medical gas supplier or at a race shop that has N2. The maximum fill pressure of our nitrogen bottle is 3000 PSI. Finding N2 may not be easy. Our suggestion is to buy or lease a bottle of N2 at your local welding gas shop and fill your own mini tanks. The typical N2 tank size for personal use is a 40 to 80 cu. ft. size. I paid \$100 for mine at Airgas. Note: Typical N2 bottle pressure you will get is about 2200 PSI maximum.

Once you find an N2 tank to hook up to, make sure to inspect your filler kit hoses and equipment for damage, loose threads, cracks before attaching in to the "mother" N2 tank. If it all looks good, attach your filler Kit to the N2 tank valve with our Power Wrench. Do not over tighten the nut. It shouldn't take more than 15-25 ft/lb. of torque.

Attach the mini coupler on end of the filler kit Power Filler hose to the side filler nipple on the mini tank valve.

Make sure the silver knob on the filler kit block is closed by turning it clockwise until it stops.

Open the valve of your mother N2 bottle very slowly. If you hear any leaks shut the valve and fix the leak. The "mother" bottle is the one which fills your baby bottle. You should begin to hear gas rushing into your mini bottle. Once you hear the sound stop you have equalized the pressure of the two bottles and your mini bottle should contain the same pressure as the mother bottle.

Now shut the valve of the mother bottle clockwise.

Slowly open the silver pressure release knob which will release residual pressure still in the line. It is not until this step is performed that you can safely remove the air line from the mini bottle.



SO, NOW HOW DO I USE THIS THING?

1. Screw the special Sidearm Regulator to the top of the mini bottle valve making sure the Sidearm Regulator knob is closed (clockwise) first. **DO NOT OVER TIGHTEN REGULATOR KNOB. JUST CLOSE UNTIL SNUG OR RISK CRUSHING THE SOFT SEAT.** Close the RED valve on the Shock Filler tool (turn clockwise) and then attach the Shock Filler to the Sidearm Regulator outlet coupler. It should just click in. Throw the bottle sling shoulder strap over your shoulders so you have both hands free. Now, you see that little no-air-loss (NAL) chuck on the end of the braided air line? Make sure the baby T-handle is turned out counter-clockwise before attaching it to your shock's schrader valve and snug the little hex nut at the bottom of the NAL chuck with a 9/16" wrench.

Once everything is hooked up:

Turn the little T-handle on the NAL chuck clockwise to depress the center valve core open. This should bring pressure to the SIG gauge. This is your current shock pressure.

Open the red Shock Filler valve by turning it counterclockwise about a 1/2 turn.

Slowly turn the Sidearm regulator knob counter-clockwise while watching the liquid filled gauge on shock filler stopping to the desired shock pressure. Now your shock should be pressurized to the pressure on the gauge.

Now let's remove the stuff so we can move to the next shock. Shut the red Shock Filler knob (clockwise).

Turn the baby T-handle counter-clockwise until it stops which closes the schrader core valve.

Then remove the NAL chuck from the schrader valve threads using the 9/16" wrench.

Now that you have your pressure set on your Sidearm Regulator for your first shock you can now go to the shock on the other side, follow steps 4-10 to fill your second shock and end up with the exact same pressure on both sides.

WHAT DO I DO WHEN I'M DONE?

Close the Sidearm Regulator by turning the knob clockwise until it stops. This will automatically purge low side pressure. **DO NOT OVERTIGHTEN THE REGULATOR KNOB.**

Remove the Shock Filler tool from the Sidearm Regulator at the regulator coupler by firmly holding the Shock Filler tool while sliding back the coupler release sleeve.

Now, remove your Sidearm Regulator from your mini bottle by carefully turning the regulator counter-clockwise. You will hear a small pressure "pop".

Replace each part to its correct location in the case foam, shut the case lid. Done.

