

# HOW TO DON AND TEST NRL EMERGENCY RESPONSE SCBA SYSTEMS

Step 1: Check the pressure gauge on the breathing air tank. Pressure should be within the yellow range. If the needle is outside this range, exchange the tank for another tank that has the correct amount of air pressure or arrange to have the tank filled.

Step 2: Examine the tank, facepiece, hoses, and harness for visible damage and/or wear and tear. If you detect any visible defects, do NOT use the system. Also check the connection to the tank to ensure it is tight.

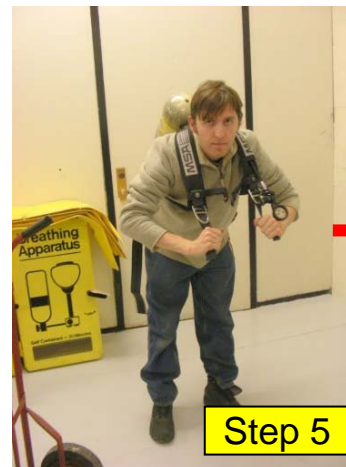
Step 3: Prepare to put on the harness with tank via the “overhead method”. Grasp the tank with both hands – make sure the shoulder straps are at the outside of your hands. The lumbar pad and tank valve should be furthest away from you. See picture.



Step 4: Lift tank above and over your head. Gently lower tank down your back so that shoulder straps rest on your shoulders.



Step 5: Tighten up the harness by bending slightly forward at the waist and pulling the shoulder straps taught.



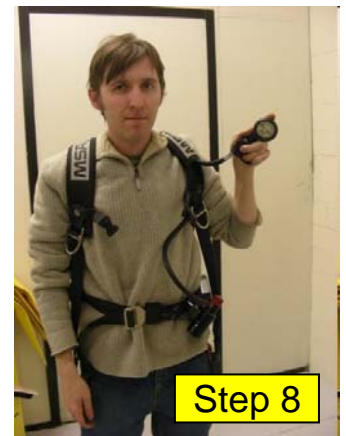
Step 6: Fasten and tighten waistbelt. Tuck any slack back under the waistbelt so that it doesn't get in the way when you're working.



Step 7: Open the tank valve.



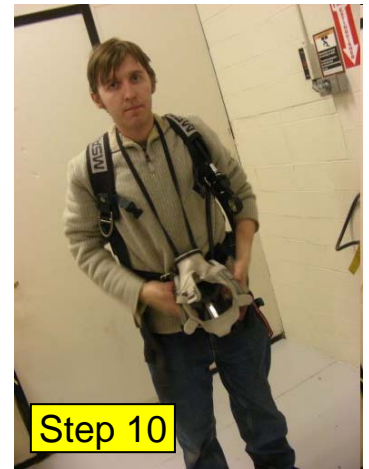
Step 8: Check the shoulder pressure gauge. The needle should rest in the yellow zone. Close the main cylinder valve and look for any needle drift. If the needle drifts down 100 psig or more in 10 seconds or less, there may be a leak in the system. If you think that there may be a leak, DO NOT use the system.



Step 9: Locate the mask-mounted regulator (holder is on the front of the waistbelt). Slowly open the bypass valve and listen for the flow of air and the audible low pressure alarm (should sound when the needle on the shoulder gauge reaches the low pressure "red zone"). If opening the bypass valve does not initiate air flow OR if you don't hear the audible alarm DO NOT use the system. (Note: Often the audible alarm cannot be heard if the bypass valve is opened too quickly. If you don't hear it the first time, repressurize the line and try again – more slowly!).



Step 10: Put the facepiece strap around your neck (if available). If no neckstrap is available, take the facepiece out and get ready to put it on.



Step 11: Put on facepiece – pull back any hair that interferes with the seal of the facepiece. Tighten straps bottom to top (chin, temple, top of head). Once the facepiece is on and tightened, cover opening for regulator at chin and inhale – mask should collapse to face and stay collapsed when holding breath in. Now exhale - you should NOT feel air rushing out around your temples. If it is, exhalation valve may be stuck. Exhale sharply to unstick. If mask does not pass these tests, DO NOT USE.



Step 12: Open the main cylinder valve again. Take a deep breath and hold it – insert regulator into mask and rotate ¼ turn until it clicks in. Inhale sharply to start the flow of air.



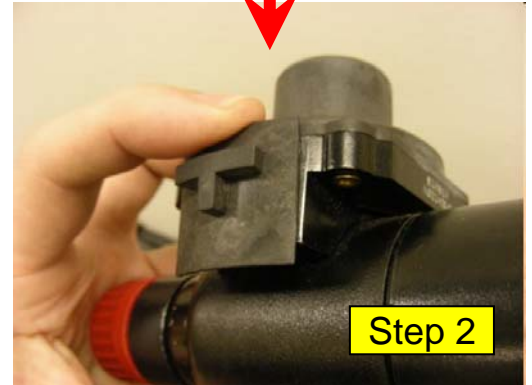
Step 13: Open the bypass valve again to ensure that air flows freely when it is opened. Check the pressure gauge periodically to ensure you have enough breathing air when using the system.



# HOW TO DOFF AND STORE NRL EMERGENCY RESPONSE SCBA SYSTEMS

Step 1: Exit into a clean atmosphere.

Step 2: Take a deep breath and hold it. Close the main cylinder valve to stop the flow of breathing air. Push back the locking mechanism on the mask-mounted regulator, rotate it  $\frac{1}{4}$  turn, and pull it out of the facepiece. You should be able to breathe ambient room air now.



Step 3: Depress the red bypass valve to depressurize the line.

Step 4: Take off the tank and harness like a backpack (one arm at a time).

Step 5: Arrange to have the tank refilled.

Step 6: Put the unit away in the case as pictured. Let out all of the straps on the harness and the facepiece for the next user. Wash the facepiece in a solution of mild detergent and warm water before putting away – let thoroughly dry on a flat surface before storing.

