



## **SCBA DONNING/DOFFING (1.1)**

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### **TASK SKILL DESCRIPTION AND DETAIL**

#### **DONNING THE SCBA BACKFRAME**

1. Always check the cylinder gauge for a “FULL” indication. If the cylinder is not full, replace or re-fill the cylinder before use.
2. Always verify that the cylinder is held securely by the cylinder retention strap.
3. Spread shoulder straps and fold open waist pad. Stand the SCBA on the cylinder valve with cylinder away from you and the shoulder straps toward you and cross your hands (see Figure 1).



Figure 1



4. Pick up the SCBA and swing it around behind you as if you were donning a coat.



Figure 2

5. Pull down on shoulder straps to settle the unit in position on the back (see Figure 3).



Figure 3



6. While still leaning slightly forward, connect the waist belt buckles and adjust the belt by pulling forward on the two (2) side-mounted belt ends. Tuck the belt ends into the waistband. Grasp waist belt buckles. Extend waist belt and connect. Pull on belt ends to adjust waist belt for firm fit on hips.



Figure 4

7. Stand up straight and readjust the shoulder straps as needed to ensure the weight of the backframe is carried on the hips. Tuck in the ends of the shoulder straps.



## DONNING THE FACEPIECE

If the facepiece is to be used with a hood or other head gear that will cover the facepiece head harness, don the facepiece first, then don the hood or head gear. Attach the regulator after all other head gear is in place.

1. Examine the facepiece assembly to be certain the nose cup inhalation valves are installed and that the nose cup is properly seated between the flanges of the voice emitter ducts. Verify that the nose cup is correctly positioned.
2. Adjust the head straps to the full outward position. With the new AV-3000 Sure Seal masks the head harness may be folded over the front of the lens to facilitate donning the mask.
3. Hold the head harness out of the way with one hand while placing the facepiece on the face with the other hand (see Figure 5). **NOTE:** ENSURE THAT THE CHIN IS PROPERLY LOCATED IN THE CHIN POCKET OF THE FACEPIECE FIRST.



Figure 5





4. Pull the head harness over the head and ensure that straps are lying flat against the head and neck with no twists (see Figure 6).



Figure 6

5. Tighten the neck straps by pulling the two lower strap ends toward the rear of the head. Verify that the head harness is lying flat against the back of the head.

6. Adjust the temple straps by pulling the two upper strap ends toward the rear of the head. Use caution pulling temple straps as over tightening may cause discomfort. Tighten the top strap if using an AV-3000 Sure Seal mask.

7. Retighten the neck straps if required. **NOTE:** ON SUBSEQUENT USE BY THE SAME WEARER, RELEASE AND RETIGHTENING OF THE TEMPLE (AND TOP) STRAPS MAY NOT BE REQUIRED.



## BEGIN USE OF THE SCBA

1. Fully depress the center of the air saver/donning switch on top of regulator and release. This switch is meant to prevent the rapid loss of air supply when the cylinder valve is open and the facepiece is removed from the face or the regulator is removed from the facepiece.
2. If the regulator is not attached to the facepiece, proceed as follows:
  - a) Verify that the regulator gasket is not damaged and is in place around the outlet port of the regulator.
  - b) Align the two flats of the regulator outlet port with the corresponding flats in the facepiece port (the red purge valve on the regulator will be in the 12 o'clock or up position). Insert the regulator into the facepiece port.
  - c) Rotate the regulator counterclockwise (as viewed from inside of facepiece) until the red purge valve knob is at the 9 o'clock or left side of the facepiece. The lock tab on the regulator will lock into the facepiece retainer with a "click." When the lock tab is properly engaged, the regulator will not rotate.



Figure 7

3. Slowly open cylinder valve fully by turning the valve knob counterclockwise until it stops (approximately 2 1/2 full turns of the knob).
4. Observe the operation of the alarms:
  - a) The VIBRALERT end of service indicator alarm will actuate and then stop.
  - b) The HEADS-UP DISPLAY shall initialize for twenty (20) seconds and then display the cylinder level.
  - c) The PAK ALERT SE 7 distress alarm will actuate when the cylinder valve is opened and will sound three quick audible chirps accompanied by a green flashing on the PAK ALERT SE 7 control console.
5. If the air saver/donning switch has not been depressed prior to opening the cylinder valve, the VIBRALERT Alarm will not actuate due to the air flowing freely on the facepiece.



6. With facepiece sealed to face, inhale sharply to actuate the SCBA. Air will then be supplied during inhalation. **NOTE: IF AIR IS NOT SUPPLIED ON FIRST INHALATION, CHECK THAT THE CYLINDER VALVE IS FULLY OPEN, THE REMOTE GAUGE INDICATES PRESSURE IN THE CYLINDER, AND THE FACEPIECE IS SEALED TO THE FACE.**

7. Pull your flash hood up over the edges of the facepiece seal and don your helmet. Be sure that any head gear, helmet or protective clothing does not interfere with the use of the respirator. The head must move freely without dislodging the facepiece or disturbing the face to facepiece seal.



Figure 8



## END OF USE - DOFFING

To remove the facepiece (doff the facepiece) and terminate respiratory protection, proceed as follows:

1. Leave contaminated area or be certain that respiratory protection is no longer required.
2. Loosen the temple straps slightly by lifting the upper facepiece buckles away from the head. The facepiece buckles have “U-shaped” release lever extensions.
3. Loosen the neck straps by lifting the lower facepiece buckles away from the head while lifting the facepiece away from face.
4. Remove the facepiece by pulling it up and over the head.
5. To stop the flow of air from the facepiece, fully depress the air saver/donning switch on top of the regulator and release. **NOTE:** THE AIR SAVER/DONNING SWITCH IS INTENDED TO PREVENT A FREE FLOW OF AIR AND THE DEPLETION OF THE AIR SUPPLY WHEN THE FACEPIECE IS REMOVED AND THE CYLINDER VALVE IS STILL OPEN. THE PURGE VALVE AND VIBRALERT WILL FUNCTION NORMALLY WITH THE AIR SAVER/DONNING SWITCH ACTIVATED. IF THE PURGE VALVE IS OPEN OR IF THE VIBRALERT IS IN OPERATION, THE AIR WILL CONTINUE TO BE DEPLETED FROM THE SCBA UNTIL THE CYLINDER VALVE IS CLOSED.
6. Close the cylinder valve completely if you are not going to resume use of the respirator. **NOTE:** LEAVING THE AIR SAVER/DONNING SWITCH ACTIVATED AND THE CYLINDER VALVE OPEN FOR AN EXTENDED PERIOD OF TIME MAY RESULT IN INTERMITTENT ACTIVATION OF THE VIBRALERT EVEN WHEN MORE THAN 25% OF THE AIR SUPPLY REMAINS.
7. Slightly loosen shoulder straps by lifting ends of shoulder strap slide buckles up, release waist belt by pressing release button in center of waist belt buckle, and remove the unit from your back.
8. Bleed any remaining air pressure in the system by opening the purge valve completely. Once the air has been drained, close the purge valve and depress the yellow reset button twice on the control counsel. The PAK ALERT SE 7 will chirp twice and shut off if the system has been drained of all air. If there is any air pressure in the system the PAK ALERT SE 7 will chirp continuously for 15 seconds then return to normal service unless the air is drained during the 15 second shut down cycle.
  - a) Replace the cylinder with a fully charged cylinder
  - b) Clean SCBA as needed
  - c) Fully extend all straps and replace SCBA in seat or wall storage mount
9. Manual operation of the PASS may be accomplished by depressing the red button on the control counsel. This should be done to test the operation of the unit or in an emergency situation only.





## REFERENCE INFORMATION

