### Functional Test

1. Check that cylinder is fully pressurized. Ensure that the Audilarm coupling nut is hand tight.

2. Grasp mask-mounted regulator and push top release buttons. Check that red bypass knob is fully closed (clockwise).

3. Close cylinder valve and watch pressure gauge. If needle drops more than 100 psig in 10 seconds, there is a leak. Do not use the apparatus until the leak is found and corrected.

4. Tighten lower head harness straps first, by pulling them straight back, not out. Tighten temple straps the same way. Tuck in ends of the straps so that they lie flat across the head.

5. Grasp and orient regulator so that red bypass knob is pointing to the right.

6. Grasp the regulator.

### Installing the Mask-Mounted Regulator

- Attach chest strap (if used). Fasten waist strap and pull it tight for a snug fit.
- As you straighten up, pull shoulder strap tabs out. Hike unit up for a comfortable fit. Shoulder straps and waist-strap ends must be tucked in and lay flat across the body.

### Donning the Air Mask

- Reach inside right shoulder strap and grasps inside left shoulder strap. Bend forward slightly, rest it on your back.

### Donning the Air Mask

- Reach behind and open cylinder valve fully. Listen for the alarm to sound briefly. As the pressure rises, the alarm sounds automatically, indicating the alarm is functional.

### Leaking Test

- Check that no air flows from regulator. If it does, repeat steps 1 and 2. Check pressure and cylinder gauges. Gauges must be within 220 psig for 2216 Air Masks and 450 psig for 4500 Air Masks. Check for bypass operation. Turn red knob counter-clockwise. Listen for air flow, then turn it off.

### Doffing the Apparatus

- To test exhalation valve, take a deep breath and hold it. Block the inhalation connection with the palm of your hand and exhale. If exhalation valve is stuck, you may feel a heavy rush of air around the facepiece.

- To remove the facepiece, fully loosen the harness straps and pull the facepiece up and away from your face. To remove the carrier harness, press the belt buckle release buttons. Disconnect chest strap (if used). To loosen the shoulder straps, grasp the release tabs. Push them out and away from your body. Slip your right arm out of the shoulder strap first, then remove the harness.

- To check facepiece fit, hold palm of your hand over inlet connection and inhale. Hold your breath at least 10 seconds. The facepiece should collapse and stay collapsed against your face. If it does not, readjust facepiece and test again.

- Crack bypass valve slowly to bleed off pressure until gauge needle drops below: 550 psig for 2216 Air Masks or 1125 psig for 4500 Air Masks. The alarm will sound. The alarm must continue to sound until pressure is less than 200 psig. Close bypass fully.

- Inhale sharply to start air supply.

- To remove the facepiece, fully loosen the harness straps and pull the facepiece up and away from your face. To remove the carrier harness, press the belt buckle release buttons. Disconnect chest strap (if used). To loosen the shoulder straps, grasp the release tabs. Push them out and away from your body. Slip your right arm out of the shoulder strap first, then remove the harness.

- Tighten lower head harness pad towards neck, retighten straps if necessary for best visibility and fit. Tuck in the ends of the straps so that they lie flat across the head.

- Push head harness pad towards neck, retighten straps if necessary for best visibility and fit. Tuck in the ends of the straps so that they lie flat across the head.

- Crack bypass valve slowly to bleed off pressure until gauge needle drops below: 550 psig for 2216 Air Masks or 1125 psig for 4500 Air Masks. The alarm will sound. The alarm must continue to sound until pressure is less than 200 psig. Close bypass fully.

- Check proper engagement by pulling on the regulator to ensure regulator is securely engaged to facepiece.

- Inhale sharply to start air supply.