



Fire Protection Training

Procedures Handbook 4300

PERSONAL PROTECTIVE
EQUIPMENT

TOPIC: How to Don And Remove the MSA Self Contained Breathing Apparatus, Sling Coat Method

TIME FRAME: 1:00

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: SCBA mounted in crew seat or compartment, full protective clothing, structure helmet, fire resistive hood pulled down around neck, structure fire gloves and a personal alert safety system (P.A.S.S.)

Behavior: The student will don and remove a MSA SCBA using the sling/coat method under simulated fireline conditions

Standard: With a minimum of 80% accuracy, within 60 seconds

MATERIALS NEEDED:

- Stop watch
- Performance examination
- One MSA SCBA
- Full structural fire protective clothing
- Fire resistive hood

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 5th Edition, Chapter 5-I-1, skill sheet

PREPARATION:

One of the most important pieces of equipment placed on an emergency unit for your protection is the SCBA. There is no such thing as safe smoke. Where there is smoke there is always danger. It must be an automatic reflex on your part to don and use SCBA's whenever the possibility of an oxygen deficient or contaminated atmosphere exists.



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HOW TO DON AND REMOVE THE
MSA SELF CONTAINED
BREATHING APPARATUS, SLING
COAT METHOD

OPERATIONS	KEY POINTS
<ol style="list-style-type: none">1. Remove facepiece2. Tilt cylinder and state the pressure indicated on the cylinder pressure gauge3. Fully open the cylinder valve4. Grasp SCBA shoulder strap5. Lift cylinder to shoulder6. Swing SCBA behind back7. Tighten shoulder straps8. Connect and tighten chest straps9. Connect and tighten waist straps	<p>To the Instructor: There are several methods of donning breathing apparatus. This lesson plan is meant for the sling coat method</p> <ol style="list-style-type: none">1a. From storage compartmentb. From storage bag.c. Making sure the facepiece does not contact a dirty surface.2a. With cylinder pressure gauge up and towards wearer.3a. Counter clockwise.b. Audible alarm must arm.4a. Right hand to right shoulder strap or left hand to left shoulder strap.b. Cylinder laying on ground.c. Cylinder pressure gauge toward feetd. Protecting regulator5a. Resting on shoulder.b. Arm sliding between shoulder strap and backplate.6a. Inserting free arm through gap between free shoulder strap and backplate.7a. Simultaneous downward pull no twists in the straps.8a. No twists in the strapsb. Chest strap if so equipped9a. Make sure there are no twists in the strap



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OPERATIONS	KEY POINTS
10. Place neck strap of facepiece around neck	b. Fully take up slack 10a. Under turnout coat collar
11. Place facepiece on face and tighten straps	11a. Sequence, chin, temple, forehead b. Pull opposing straps simultaneously
12. Test facepiece for proper seal	12a. Hold the inhalation tube coupling against the palm of your hand and inhale b. If air enters the straps on the facepiece must be readjusted
13. Check the exhalation valve	13a. Hold the facepiece regulator opening against the palm of your hand b. Exhale testing the exhalation valve c. If air escapes, the straps on the facepiece must be readjusted
14. Pull fire protective hood into place (This is required only for those students that have hoods)	14a. Over the head and SCBA facepiece b. Covering all straps c. Keeping vision clear d. Covering all neck and facial skin
15. Put helmet on head	15a. Break away chin strap
16. Tighten chin strap under neck	16a. Placed under chin not to interfere with operation of the exhalation valve or regulator
17. Raise and Velcro close turnout coat collar	
18. Connect the regulator	18a. Tightly
19. Open mainline valve	19a. Fully b. There should be no escape of air
20. Call out the reading on the regulator pressure gauge	20a. If more than 100 psi difference between regulator and cylinder reading, unit is out of service



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<ul style="list-style-type: none">21. Open by-pass valve22. Shut by-pass valve off23. Arm the personal alert safety system24. Put on glove.	<ul style="list-style-type: none">21a. Partially<ul style="list-style-type: none">b. Until you have air flow22a. Completely23a. Must beep when turned on
SCBA Removing Sequence	
<ul style="list-style-type: none">1. Remove gloves2. Disarm personal alert safety system3. Loosen regulator4. Close cylinder valve5. Bleed air out of regulator6. Close mainline valve7. Remove helmet8. Remove protective hood9. Remove facepiece10. Place facepiece on clean surface11. Disconnect waist strap12. Loosen shoulder straps13. Disconnect chest strap	<ul style="list-style-type: none">2a. OFF Position3a. Counter clockwise4a. Clockwise<ul style="list-style-type: none">b. Completely5a. Audible alarm should sound<ul style="list-style-type: none">b. Alarm will stop chirping when air exhausted6a. Completely8a. Push down around neck9a. Loosen head harness straps<ul style="list-style-type: none">b. Pull facepiece over the head.c. Remove neck strap10a. Back in case11a. Waist strap fully extended12a. Lean forward<ul style="list-style-type: none">b. Loosen straps fully13a. If so equipped



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OPERATIONS	KEY POINTS
<p>14. Remove SCBA from your back</p> <p>15. Store SCBA</p>	<p>14a. Right arm through right shoulder strap</p> <p>b. Grasp regulator with right hand</p> <p>15a. In compartment or seat-mount bracket</p>



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APPLICATION:

The student will practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).