

- Topic:** Inspection of SCBA
- Goal:** At the end of the lesson, the recruit fire fighter will be able to inspect a SCBA to determine if it is operable.
- Learning Objectives:** At the end of the lesson, the recruit fire fighter shall be able to:
- describe the benefits of inspecting the SCBA
 - demonstrate inspection of a SCBA
- Lesson Time:** 15 minutes
- Level of Performance:** Application
- Target Audience:** Recruit fire fighters
- References:** *Essentials of Fire Fighting*, 4th Ed. Fire Protection Publications
- Materials Needed:** 1 SCBA
Projection screen
Flipchart and stand
Flipchart markers
- Audiovisuals:** Overheads 1- 3
Digital slides 1- 3
- Instructor Information:** This lesson is intended for recruit fire fighters with limited or no experience in the fire service. There is a demonstration in the lesson that will require adequate room in the classroom for a student to layout a SCBA and perform an inspection of the unit.

There are two options for audiovisuals. The lesson includes both digital slides and overhead transparencies. You should select the type of audiovisual based on the resources available at the department. If you choose overhead transparencies, you must print or make the transparencies from the file.

**Methodology
(Total Time: 15 min.)**

This lesson uses lecture, discussion, and demonstration to achieve the learning objectives. The level of performance is application. Evaluation is accomplished through review questions and discussion.

3 min.	Lecture/Discussion Preparation	p. 4
6 min.	Lecture/Discussion Presentation	p. 6
3 min.	Demonstration Application	p. 8
2 min.	Discussion Evaluation	p. 9
1 min.	Lecture Summary	p. 10

**3 min.
Lecture/
Discussion**

I. Preparation

A. Administrative Details

1. Fire alarm.
2. Exits from the classroom.
3. Student roster.

B. Instructor Introduction

Flipchart

Print your name and contact information on a flipchart sheet. Reveal the sheet during your introduction so that students will have the correct spelling of your name and your contact information in case they need assistance following the lesson.

1. Name of instructor.
2. Experience in the fire service.
3. Experience with the use and inspection of SCBA.
4. Training and certifications.

C. Motivation of Students

It is critical that the students understand and appreciate the need to be able to properly inspect an SCBA prior to use during an emergency or when storing the SCBA. Review the following key points about inspecting a SCBA. If possible, share a personal experience or an anecdote that illustrates the importance of proper inspection of the SCBA.

1. The effective operation of the SCBA begins with a proper inspection of the unit.
2. The inspection must be thorough and should be performed on a daily basis and after each use.

Lesson 6 Goal

The recruit fire fighter will be able to successfully inspect a SCBA.

OSUFST Fire Instructor I – Student Lesson 6 SL 1

D. Lesson Goal

1. At the end of the lesson, the recruit fire fighter will be able to successfully inspect a SCBA.

E. Learning Objectives

Learning Objectives

- Describe the benefits of inspecting the SCBA
- Demonstrate inspection of a SCBA

OSUFST Fire Instructor I – Student Lesson 6 SL 2

1. Describe the benefits of inspecting the SCBA.
2. Demonstrate inspection of a SCBA.

ASK: Are there any questions about the learning objectives or the goal of the lesson?

Answer any questions or concerns. Once any questions have been addressed proceed to Section II.

6 min.
Lecture/
Discussion

II. Presentation

A. Benefit of SCBA Inspections

Flipchart

ASK: What are the benefits of properly inspecting a SCBA before use?

Briefly discuss the answers. Record the answers on a flipchart. The answers should include the following.

- ensure the SCBA is ready for operation.
- identify any malfunctioning parts.
- become familiar with the parts of the SCBA.

Post the flipchart for future reference.

B. Inspecting the SCBA

Explain that these are the steps for performing a daily inspection of the SCBA.

Inspecting the SCBA

- Cylinder
- Gauges
- Low pressure alarm
- Hose connections
- Facepiece
- Harness system
- Valves

OSUPST Fire Instructor I - Student Lesson 6

SL 3

1. Cylinder is full. The cylinder should be at least 90% of capacity.
2. All gauges work. The gauges must be within 100 psi of each other.
3. Low pressure alarm is in working condition. The system must be pressurized to cause the low pressure alarm to work.
4. All hose connections are tight and free of leaks.
5. Facepiece is clean and in good condition.

6. Harness system is in good condition. All straps must be fully extended.
7. All valves are operational. Valves should be fully closed.

ASK: What should you do if there is a problem with one of the items?

Explain that any problems that can be immediately fixed should be taken care of by the fire fighter. If a problem can't be fixed, the SCBA should be placed out of service and sent for repair.

ASK: Are there any remaining questions about inspecting a SCBA?
--

Answer any questions or concerns. Once all questions have been addressed proceed to Section III. Explain that students will now practice inspecting a SCBA.

3 min.
Demonstration

III. Application

The purpose of this section is to allow a student to practice inspecting a SCBA. **If time allows**, select a student to come to the front of the classroom and demonstrate inspection of the SCBA. The students should explain the steps as they are performed. Provide feedback as need to ensure the skill is performed correctly.

Once the student has completed inspecting the SCBA ask the students if there are any questions.

If time is limited, explain that an opportunity to practice the skill will be provided after the class is dismissed.

**2 min.
Discussion****IV. Evaluation**

Use the following questions to evaluate student learning. Select students randomly to answer the questions. If a student does not know the answer, select another student.

ASK: What is considered full for a cylinder?

At least 90% full of air according to its capacity.

ASK: How close should the two gauges read?

Within 100 psi of each other.

ASK: How should harnesses be stored?

Straps should be fully extended and ready for donning.

**1 min.
Lecture****V. Summary**

- A. The effective operation of the SCBA begins with a proper inspection of the unit.
- B. The inspection must be thorough and should be performed on a daily basis and after each use.

ASK: Are there any questions about anything addressed during this lesson?

Answer any questions. Thank the students for their attention. Briefly review your contact information in case any student needs assistance with the skill.

Adjourn the class.