3-1a: Replace an SCBA Air Cylinder

Candidate Information
Candidate Name and SFT ID Number:
Circle One: Day 1 First Attempt / Day 1 Second Attempt / Day 2 First Attempt / Day 2 Second Attempt
General Information
NFPA Standard: 1001 (2019), JPR 4.3.1 / **CTS Guide:** 3-1 / **Course Plan:** Fire Fighter 1A, Topic 2-7
Performance Outcome: Replace SCBA air cylinder using the one-person method and two-person method.
Candidate Directions: You will demonstrate proper air cylinder replacement using both the one-person and two-person methods. The test will begin when I say, "start." The test will end when you say, "done." Do you understand the directions?

Performance Measures (check appropriate box) The candidate must complete all steps (100%) to receive a passing score.	**Pass**	**Fail**
One-Person Method		
1. Wears and uses appropriate PPE/SCBA/equipment at all times during evaluation		
2. Places SCBA unit on a firm surface		
3. Closes cylinder valve and drains air from system		
4. Disconnects high-pressure regulator from cylinder		
5. Unlocks cylinder strap and removes cylinder from backpack assembly		
6. Verifies replacement cylinder is at 90-100% of rated capacity		
7. Places new cylinder into backpack assembly and locks cylinder strap		
8. Connects high-pressure hose to cylinder and hand tightens		
9. Slowly and fully Opens cylinder valve fully and slowly; listens for an audible alarm and leaks as system pressurizes		
10. Determines if connections need to be tightened or if valves, donning switch, etc., need to be adjusted		
11. Reports audible leaks related to malfunctions to evaluator and removes from service (if applicable)		
12. Checks pressure reading on remote gauge and/or indicators and reports reading (Reading should be within manufacturer's guidelines of pressure indicated.)		

Two-Person Method		
13. Disconnects regulator from face piece or disconnects low-pressure hose from regulator		
14. Positions cylinder for ease of access by having wearer kneel down or bend forward		
15. Closes cylinder valve and drains air from system		
16. Disconnect high-pressure regulator from cylinder		
17. Unlocks cylinder strap and removes cylinder from backpack assembly		
18. Verifies replacement cylinder is at 90-100% of rated capacity		
19. Places new cylinder into backpack assembly and locks cylinder strap		
20. Connects high-pressure hose to cylinder and hand tightens		
21. Slowly and fully Opens cylinder valve fully and slowly; listens for an audible alarm and leaks as system pressurizes		
22. Reconnects regulator at face piece or reconnects low-pressure hose at regulator		
23. Checks pressure reading on remote gauge and/or indicators and reports reading (Reading should be within manufacturer's guidelines of pressure indicated. If not, notifies evaluator and removes SCBA from service.)		

Evaluation Results
Overall Evaluation: Pass / Fail (circle one)
Student Signature / Date:
Print Student Name:
Evaluator Signature / Date:
Print Evaluator Name:
Comments: