



Fire Protection Training

Procedures Handbook 4300

HOSE APPLIANCES & TOOLS

TOPIC: How to Use a Ladder Pipe

TIME FRAME: 1 Hour

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: Ladder pipe, lifebelt, two hose straps, two universal spanner wrenches, supply hose, one aerial ladder with ladder pipe mount

Behavior: The student will demonstrate setting up and using a ladder pipe system under simulated fire conditions.

Standard: With a minimum of 70% accuracy

MATERIALS NEEDED:

- Ladder pipe
- Life belt
- Two hose straps
- Two universal spanner wrenches
- Supply hose
- One aerial ladder

REFERENCES:

- IFSTA, Fire Department Pumping Apparatus, 7th Edition

PREPARATION:

Many firefighters have been injured or killed because they did not properly set up their ladder pipe operation. This lesson will show you the proper method to prevent these injuries and have an efficient ladder pipe operation.



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HOW TO USE A LADDER PIPE

OPERATIONS

KEY POINTS

- | | |
|---|---|
| 1. Set chock blocks | 1a. On rear wheels
b. Proper placement for slope/incline
c. In accord with CDF policy |
| 2. Place jack plates | 2a. Using proper lifting techniques
b. Using proper placement
c. Centered under jacks |
| 3. Set jacks/outriggers | 3a. Locked in place |
| 4. Put on life belt | 4a. Using proper placement |
| 5. Place two hose straps and two universal spanner wrenches | 5a. In pocket |
| 6. Climb to top of bedded ladder | 6a. Assuming proper position to receive ladder tip |
| 7. Receive ladder tip | 7a. From engineer |
| 8. Place ladder tip in position | 8a. On mount
b. Securely |
| 9. Descend 1/2 way down ladder | |
| 10. Receive hose | 10a. From engineer
b. Male coupling |
| 11. Ascend ladder | 11a. Ladder is locked into bed position |
| 12. Connect hose to tip | 12a. Tighten with spanner wrenches |
| 13. Descend ladder | 13a. Prior to engineer raising and locking ladder |
| 14. Feed hose to ladder | 14a. As raised
b. In accordance with policy and/or manufacturer's specifications |
| 15. Don SCBA | |

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HOW TO USE A LADDER PIPE

OPERATIONS

KEY POINTS

16. Climb ladder

16a. Using proper technique

b. After ladder locked in place

17. Secure hose

17a. With hose strap

b. Using proper technique

c. At 1/3 ladder height

18. Secure hose

18a. With hose strap

b. Using proper technique

c. At 2/3 ladder height

19. Lock in

19a. With life belt

b. Using proper technique

c. At top of ladder

20. Operate tip

20a. Assuring proper-angle

b. Assuring proper elevation

c. In accord with manufacturer's specifications



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HOW TO USE A LADDER PIPE

APPLICATION:

The student will practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).

Performance Examination

	<u>POINTS</u>
1. Set chock blocks in accordance with CDF policy	___*
2. Place jack plates	___5
3. Set jacks/outriggers and lock in place	___*
4. Put on life belt	___10
5. Carry two hose straps and two spanner wrenches	___5
6. Climb to top of bedded ladder	___5
7. Receive ladder tip	___5
8. Place ladder tip in position	___5
9. Descend 1/2 way down ladder	___5
10. Receive hose	___5
11. Ascend ladder	___5
12. Connect hose to tip with universal spanner wrench	___5
13. Descend ladder	___5
14. Feed hose to ladder as it raises	___5
15. Don SCBA	___*
16. Climb ladder	___10
17. Secure hose in place at 1/3 ladder height with hose strap	___10
18. Secure hose in place at 2/3 ladder height with hose strap	___10
19. Lock in with life belt at top of ladder	___*

Performance Examination

	<u>POINTS</u>
20. Operate tip	<u> 5</u>

Note: Failure to perform a step with an asterisk (*) in the points column results in an automatic failure of the performance examination.

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

EVALUATOR'S SIGNATURE:

DATE:

COMMENTS:
