



Fire Protection Training

Procedures Handbook 4300

HANDTOOLS

TOPIC: Pike Pole

TIME FRAME: 30 Minutes

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: The student will be able to: identify the parts of the pike pole, describe basic uses for the pike pole, describe care and maintenance procedures, and describe safety considerations associated with pike poles.

Standard: With a minimum of 70% accuracy

MATERIALS NEEDED:

- Pike pole
- Appropriate visual aids
- Audio visual equipment

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 2nd Edition, Chapter 6
- IFSTA, Salvage and Overhaul, 7th Edition, Chapter 4
- IFSTA, Fire Ventilation Practices, 6th Edition, Chapter 4

PREPARATION:

Pike poles have a wide variety of uses. They are effective in hoisting or removing plaster and metal ceilings. They can puncture and hook other materials. Its use is limited only by the ingenuity of the firefighter using it.



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PIKE POLE

PRESENTATION	APPLICATION
<p>I. TERMINOLOGY</p> <p>A. Handle</p> <ol style="list-style-type: none">1. Wood2. Aluminum3. Fiberglass <p>B. Head</p> <ol style="list-style-type: none">1. Point2. Hook <p>II. USE</p> <p>A. Hoisting and Lowering Equipment</p> <ol style="list-style-type: none">1. Secure object (to be raised) to the head with a rope2. Position firefighters on each fire escape landing, balcony or window in a vertical line3. Pass the pole in a vertical position from firefighter to firefighter<ol style="list-style-type: none">a. Handle first <p>B. Removing Plaster or Metal Ceilings and Walls for Ventilation and Access</p> <ol style="list-style-type: none">1. Drive the head through the ceiling at a point between the beams/rafters/joists	<p>Show tool</p> <p>Discuss various materials for handle.</p> <p>Information sheet #1</p>



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<ul style="list-style-type: none">2. Pull the ceiling material in the same direction as the beams/rafters/joists run<ul style="list-style-type: none">a. Beams will usually span the short dimension of a building3. The hook should be pointed away from the user; work the edge of the hole farthest away to prevent large pieces from falling on you <p>C. Miscellaneous Uses</p> <ul style="list-style-type: none">1. Opening or breaking adjacent windows2. Improvised stretcher3. Improvised water chutes or sumps4. Forcible entry5. Ventilation6. Rescue7. Salvage <p>D. Care and Maintenance</p> <ul style="list-style-type: none">1. Inspect Pike pole<ul style="list-style-type: none">a. Handle for:<ul style="list-style-type: none">(1) Splinters(2) Cracks(3) Burns(4) Warpingb. Head for:	<p>Explain</p>



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<ul style="list-style-type: none">(1) Cracks(2) Nicks(3) Rust(4) Tight fit on handle <p>2. Correct deficiencies noted on inspection:</p> <ul style="list-style-type: none">a. Handle should be sanded smooth or replaced as necessary<ul style="list-style-type: none">(1) Linseed oil should not be applied to handle<ul style="list-style-type: none">(a) Slippery when wet(b) Flammable vapors created when being applied(c) May increase electrical conductivity of handleb. Head of pike pole should be free of cracks, burrs, or nicks. If these defects are noted file or replace the head as necessary.<ul style="list-style-type: none">(1) Do not paint the head since the paint may hide cracks or other defects. <p>3. Store in the properly designed holder</p> <ul style="list-style-type: none">a. Stationb. Engine <p>E. Safety</p> <ul style="list-style-type: none">1. Control the head of the pike pole	



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<ol style="list-style-type: none">2. Do not work directly under the ceiling area you are removing3. Carry with both hands4. Wear gloves, goggles, helmet, and other personal protective equipment as needed5. Maintain body balance at all times6. Place yourself between the work area and an exit so that you have an escape route7. Keep safety guard on the head when not in use8. Do not pull or hoist more of a load than you can safely handle9. Maintain proper distance from co-workers10. Do not use near energized electrical lines	<p>What are safety considerations to be followed when working with the pike pole?</p>



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SUMMARY:

Situations will arise where using the pike pole will be necessary. In order to use this tool effectively you must know the method and manner of using the tool and must ensure that it is in a safe condition prior to use.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).