



Fire Protection Training

Procedures Handbook 4300

FORCIBLE ENTRY

TOPIC: Forcible Entry Tools

TIME FRAME: 1 Hour

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: The student will describe the various forcible entry tools.

Standard: With a minimum 70% accuracy

MATERIALS NEEDED:

- Forcible entry tools
- Appropriate visual aids
- Audio visual equipment

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 2nd Edition, Chapter 6
- IFSTA, Forcible Entry, 7th Edition, Chapter 2

PREPARATION: Almost any tool can be used for forcible entry purposes. Some however, are better suited than others. As a firefighter you need to understand how to use tools which are designed as forcible entry tools and how to improvise with other tools when the need arises.



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FORCIBLE ENTRY TOOLS

PRESENTATION	APPLICATION
<p>I. FORCIBLE ENTRY HAND TOOLS</p> <p>A. Definition - Forcible Entry Tools Powered by Human Force</p> <p>B. Ordinary Tools</p> <ol style="list-style-type: none">1. Screwdrivers2. Hammers3. Center punch4. Chisels5. Adjustable wrenches6. Socket sets7. Pliers8. Wire cutters9. Hack saws10. Spanner wrenches11. Pry bars12. Pike poles13. Axes<ol style="list-style-type: none">a. Pick headb. Single bitc. Double bitd. Flat head14. Bolt cutters<ol style="list-style-type: none">a. Insulated	



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<p>b. Non-insulated</p> <p>15. Sledge hammer</p> <p>II. FORCIBLE ENTRY POWER TOOLS</p> <p>A. Force Generated Via Electricity or Internal Combustion Engine</p> <p>1. Saws</p> <p>a. Circular</p> <p>b. Chain</p> <p>c. Reciprocal</p> <p>III. FORCIBLE ENTRY HYDRAULIC TOOLS</p> <p>A. Definition</p> <p>1. Tools using compressor pumps that transmit force using a liquid (hydraulic fluid) to the working end of the tool</p> <p>2. Types of pumps</p> <p>a. Hand powered</p> <p>(1) Porta power components</p> <p>(a) Pump</p> <p>(b) Spreader</p> <p>(c) Wedge</p> <p>(d) Ram</p> <p>(e) Rabbit tool</p> <p>b. Electrical or internal</p> <p>(1) Combustion</p>	



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PRESENTATION	APPLICATION
<p>(a) Power unit</p> <p>(b) Rams</p> <p>(c) Spreaders</p> <p>(d) Cutters</p> <p>IV. PNEUMATIC (AIR)</p> <p>A. Definition</p> <p>1. Tools using pressurized air source to transmit force</p> <p>a. Chisel</p> <p>b. Hammer</p> <p>c. Drills</p> <p>d. Air bags</p> <p>V. MISCELLANEOUS POWER SOURCES</p> <p>A. Pneumo - Hydraulic</p> <p>B. Compressed Gas</p> <p>1. Cutting torch</p>	



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SUMMARY:

There are a variety of forcible entry tools available to firefighters. These tools cover the spectrum from simple to complex. The tool chosen to perform a task should be the one best suited to the task in terms of expediency and safety.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).