



Fire Protection Training

Procedures Handbook 4300

HOSE

TOPIC: How To Connect To A Sprinkler System

TIME FRAME: 20 Minutes

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: An engine, a sprinkler system, two lengths of 2 1/2" hose, a universal spanner and a mallet

Behavior: The student will demonstrate how to connect to a sprinkler system under simulated fire conditions.

Standard: With a minimum of 100% accuracy

MATERIALS NEEDED:

- An engine
- Two lengths of 2-1/2" fire hose
- Hose adapters
- Sprinkler connection
- Spanner
- Mallet

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 2nd Edition, Chapter 16

PREPARATION:

As a firefighter, it may be your responsibility to supply additional water to the fire area by charging a sprinkler system. Fellow firefighters and occupants depend on your ability to get the sprinkler system pressurized!



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HOW TO CONNECT TO A
SPRINKLER SYSTEM

OPERATIONS

KEY POINTS

- | OPERATIONS | KEY POINTS |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1. Remove pump discharge caps. | 1a. Counter-clockwise
b. Use spanner or mallet as required |
| 2. Place caps. | 2a. On running board
b. In brass compartment |
| 3. Remove 2 lengths of 2 1/2" hose from hose bed. | 3a. Face direction of travel when pulling
b. Step cautiously from tail board |
| 4. Break couplings. | 4a. Use foot tilt method
b. Uncouple first and second length
c. Uncouple second and third length |
| 5. Place unused hose in hose bed. | |
| 6. Advance hose lines. | 6a. To sprinkler connection
b. Avoid vehicular traffic path if possible |
| 7. Remove sprinkler intake caps or break connection cover plates. | 7a. Turn caps counter-clockwise
b. Use spanner and mallet as required
c. Use spanner to break covers (breakaway type) |
| 8. Attach lines to sprinkler inlets. | 8a. Hand tight |
| 9. Return to opposite end of hose lines. | |
| 10. Advance hose lines to discharge outlets of the pump and attach. | 10a. Hand tight |
| 11. Pump the system. | 11a. At pressure designated in pre-plan |

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SPRINKLER SYSTEM

APPLICATION:

The student will practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).

	<u>POINTS</u>
1. Remove pump discharge caps - counterclockwise.	___ 10
2. Place caps on running board or in designated compartment.	___ 10
3. Remove two 2 1/2" lines from the hose bed.	___ 10
4. Break couplings using foot tilt method to separate first length from second length and second length from third.	___ 10
5. Place unused hose in hose bed.	___ 10
6. Advance hoselines to sprinkler connection and carefully ground them.	___ 10
7. Remove sprinkler intake caps or break connection cover plates.	___ 10
8. Connect lines to sprinkler inlets.	___ 10
9. Return to opposite end of hoselines.	___ 10
10. Advance hoselines to discharge outlets of the pump and connect.	___ 10

ENTER TOTAL TIME: _____:

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

EVALUATOR'S SIGNATURE:

DATE:

COMMENTS:
