



MANIPULATIVE PERFORMANCE TEST

Procedures Handbook 4300

TOOLS & EQUIPMENT

TOPIC/EQUIPMENT: Using a Drip Torch

CATEGORY: Performance Examination

POINTS POSSIBLE: 100

TIME ALLOWED: :

BEHAVIORAL OBJECTIVE:

Condition: Given a drip torch, a simulated fire line in an area cleared of combustible materials

Behavior: The student shall assemble a drip torch, burn out a 25' section of simulated fire line, and disassemble the drip torch under simulated fire conditions.

Standard: With a minimum of 80% accuracy

MATERIALS NEEDED:

- One (1) fire engine or ECT
- One (1) full drip torch properly mounted on engine or ECT
- Drip torch fuel mix
- Matches or fusees
- Paper towels or rags
- Fire extinguisher
- Performance examinations
- Individual score sheets
- One (1) clip board
- One (1) red pen
- Appropriate wildland fire safety PPE per CAL FIRE policy

PROCEDURES:



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SCORING:

Points will be deducted for each step omitted, performed improperly, or performed out of sequence. Steps designated by an asterisk (*) must be performed properly or the student fails the entire examination.

SPECIAL NOTES:

Performance Examination

HOW TO USE A DRIP
TORCH

DATE ____ / ____ / ____ TEST # ____ RETEST # ____ UNIT # ____

STUDENT'S NAME _____

EVALUATOR'S NAME _____

STEPS AND PROCEDURES

	<u>POINTS</u>
1. Remove drip torch from engine or ECT	____ 1
2. Shake torch to mix fuel	____ 2
3. Place torch in a clear area, loosen, and remove the lock ring	____ 2
4. Loosen and remove the fuel flow plug, inspect "O" ring, and place it hand tight on the blind threaded retainer	____ 5
5. Remove the fuel spout and check the fuel level in the tank. State whether tank is at 3/4 full maximum level. Check gasket on spout and state its condition	____ 5
6. Turn spout assembly over and set it atop the drip torch with the wick pointed away from the tank handle	____ 5
7. Slip the lock ring over the spout, threaded side down, and tighten the lock ring in place	____ 5
8. Open the air vent 3/4 of the way	____ 5
9. Pour a small amount of fuel on the ground and light it with a match or fusee	____ 10
10. Light the drip torch wick by inverting the torch above the flaming fuel	____ 5
11. Walk parallel to the designated fire line spreading fire for a distance of 25' by either trailing the torch or by swinging arm forward and backward	____ 10

Performance Examination

- 12. Upon completion of the firing exercise, blow out the wick and allow it to cool ___ 10
- 13. Remove the lock ring and place it on a clean surface ___ 5
- 14. Remove the spout assembly from the tank top and place it on a clean surface ___ 5
- 15. Refill the tank $\frac{3}{4}$ full ___ 5
- 16. Insert the spout assembly wick first into the tank ___ 5
- 17. Replace the lock ring and hand tighten it ___ 5
- 18. Remove the fuel flow plug from the retainer and place it to block the fuel flow to the spout ___ 5
- 19. Close the air vent ___ 5

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

EVALUATOR'S SIGNATURE: _____

DATE: _____

COMMENTS:
