



# Fire Protection Training

Procedures Handbook 4300

MOBILE EQUIPMENT

**TOPIC:** How to Use Backing Hand Signals

**TIME FRAME:** 15 Minutes

**LEVEL OF INSTRUCTION:**

**BEHAVIORAL OBJECTIVE:**

*Condition:* An engine with a qualified operator and an offset backing course

*Behavior:* The student will demonstrate proper backing hand signals by guiding an engine through an offset backing course under simulated fire conditions.

*Standard:* With a minimum of 100% accuracy

**MATERIALS NEEDED:**

- An engine with operator
- Backing course with offset obstacles
- Performance examinations
- Tally sheet

**REFERENCES:**

- CDF, Mobile Equipment Management Procedures Handbook, (6700)

**PREPARATION:**

Each year many department vehicles are involved in backing accidents. It is this department's policy that a back-up person will be used whenever an engine is being backed!



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HOW TO USE BACKING  
HAND SIGNALS

## OPERATIONS

## KEY POINTS

- | OPERATIONS                    | KEY POINTS  |
|-------------------------------|---|
| 1. Student gets off engine    | 1a. Upon command<br>b. Facing direction of travel<br>c. Does not jump   |
| 2. Student obtains directions | 2a. From operator<br>b. Path of travel<br>c. Ending position  |
| 3. Student positions self     | 3a. 15' to rear of engine minimum<br>b. Side opposite operator<br>1. Unless more hazards on operator's side<br>c. Eye contact with operator in mirror   |
| 4. Direct engine operator     | 4a. Backing through course<br>b. Using standard hand signals<br>c. Maintaining safe position<br>d. Remaining in operator's view at all times<br>e. Making at least 1 emergency stop<br>1. Stop hand signal<br>2. Shout "stop"<br>f. Remaining on course |
| 5. Returns to seat on engine  | 5a. Upon command of operator<br>b. Fastens seat belt<br>c. Proper eye protection<br>d. Proper ear protection  |
| 6. Signals when ready         | 6a. To operator<br>b. With crew compartment horn  |



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***APPLICATION:***

The student will practice until proficient.

***EVALUATION:***

A performance examination.

***ASSIGNMENT:***

To be determined by instructor(s).

# Performance Examination

	<b><u>POINTS</u></b>
1. Upon command, disembark the engine	<u>10</u>
2. Obtain instructions from driver as to where engine is to be backed	<u>10</u>
3. Ascertain final destination/position of engine from driver	<u>10</u>
4. Properly position self at rear of engine on the side of most severe hazards	<u>10</u>
5. Use proper hand signals to guide driver through the course safely	<u>25</u>
6. Remain in view of the operator at all times on the course	<u>25</u>
7. Upon command return to proper position on the engine	<u>10</u>

**POINTS POSSIBLE:** 100

**POINTS DEDUCTED:**

**FINAL SCORE:**

**EVALUATOR'S SIGNATURE:**

**DATE:**

**COMMENTS:**

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