



Fire Protection Training

Procedures Handbook 4300

MOBILE EQUIPMENT

TOPIC: Backing Hand Signals

TIME FRAME: 15 Minutes

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: The student will list and describe proper backing hand signals and backing procedures.

Standard: With a minimum of 70% accuracy

MATERIALS NEEDED:

- An engine
- Appropriate visual aids
- Audio visual equipment
- Information sheets

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! In order to use the back-up person to greatest advantage, standard hand signals must be employed.



Fire Protection Training

Procedures Handbook 4300

BACKING HAND SIGNALS

PRESENTATION	APPLICATION
<p>I. DEPARTMENT POLICY</p> <p>A. It is Department Policy that a Back-up Person will be used whenever a Vehicle is being Backed!</p> <p>B. Driver is Responsible for Accident Whether Back-up Person Used or Not</p> <p>C. The Reason for this Policy is that many Vehicles are built in a Manner which Obstructs the Operator's Rearward Vision and the Only Way to See is by the Use of Mirrors and a Back-up Person.</p> <p>II. BACK-UP PERSON GUIDELINE</p> <p>A. Back-up Person must:</p> <ol style="list-style-type: none"> 1. Be off the vehicle and on the ground 2. Ascertain from the operator <ol style="list-style-type: none"> a. Where the vehicle is to be backed, b. Where the Vehicle should be when the backing Operation is finished <p>B. Because you will be Walking Backwards:</p> <ol style="list-style-type: none"> 1. Make sure that you are aware of any obstacles that will be in your (or the vehicle's) path 2. Always provide yourself an escape route in case of an emergency 3. Do not walk directly behind the vehicle 	<p>Exception is pickups and sedans</p> <p>Driver is still ultimately responsible for any backing accident</p>



Fire Protection Training

Procedures Handbook 4300

BACKING HAND SIGNALS

PRESENTATION	APPLICATION
<ul style="list-style-type: none"> a. Minimum of 15 feet behind vehicle b. On a diagonal line from outside corner of vehicle C. Situate yourself behind the Vehicle so that you can observe the Side that presents the most Hazards. <ul style="list-style-type: none"> 1. Normally the side opposite the driver D. Stay in the Operator's View <ul style="list-style-type: none"> 1. Establish eye contact in the mirrors 2. If you cannot see the operator's eyes in the mirror, he/she cannot see you E. Use only the Four (4) Approved Hand Signals <ul style="list-style-type: none"> 1. Use exaggerated motions when giving signals to avoid misinterpretation 2. In addition to the "Stop" hand signal shout "Stop" for emergency stops 3. At night use a flashlight for illumination. DO NOT shine a hand held light in the operator's mirror F. Don't Leave your Position until the Operator tells you to Board the Vehicle 	<p>Information sheet #1</p> <p>Obstacles and hazards are harder to see at night</p>



Fire Protection Training

Procedures Handbook 4300

BACKING HAND SIGNALS

PRESENTATION	APPLICATION
<p>G. When directing vehicles with trailers, only give signals for the trailer, not the towing vehicle. Be careful to observe hazards for both vehicles</p>	<p>Have each student explain and demonstrate hand signals</p> <p>Have each student sit behind the steering wheel and observe the proper signals given by the instructor or another student</p>



Fire Protection Training

Procedures Handbook 4300

BACKING HAND SIGNALS

SUMMARY:

The operator of a vehicle is responsible for assigning and supervising the back-up person. The back-up person is responsible for using standard hand signals to guide the operator while the vehicle is traveling in reverse. Compliance with these procedures and Department policy will reduce the number of backing accidents significantly.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).