



# FIRE PROTECTION TRAINING

Procedures Handbook 4300

TOOLS & EQUIPMENT

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**TOPIC:** How to Ignite and Extinguish Road Flares and Fusees

**TIME FRAME:** :10

**LEVEL OF INSTRUCTION:** Level II

**BEHAVIORAL OBJECTIVE:**

*Condition:* A road flare or fusee and a cleared area

*Behavior:* Student will demonstrate the proper procedures for igniting and extinguishing a road flare or fusee under simulated fire conditions.

*Standard:* With a minimum of 100% accuracy within one (1) minute

**MATERIALS NEEDED:**

- One (1) road flare or fusee
- Appropriate wildland personal protective equipment per CAL FIRE policy

**REFERENCES:** None

**PREPARATION:**

Road flares and fusees are used interchangeably as warning devices to stop, slow, or divert traffic or as firing tool. Each burns at approximately 1400° F and can drip or splatter hot “slag” phosphorus. The vapors emitted during burning are toxic. Care must be exercised to prevent injuries to personnel and equipment.



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## HOW TO IGNITE AND EXTINGUISH ROAD FLARES AND FUSEES

### OPERATIONS

### KEY POINTS

#### IGNITING

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| <ol style="list-style-type: none"><li>1. Grasp flare/fusee</li><li>2. Remove flare cap</li><li>3. Remove striker cap</li><li>4. Place igniter and striker together</li><li>5. Ignite flare/fusee</li><li>6. Hold ignited flare</li></ol> | <ol style="list-style-type: none"><li>1a. With either hand<ol style="list-style-type: none"><li>b. Near base</li><li>c. Appropriate personal protective equipment</li><li>d. Gloves on</li><li>e. Goggles in place</li><li>f. Back to wind</li></ol></li><li>2a. Use free hand<ol style="list-style-type: none"><li>b. Grasp flare/fusee cap</li><li>c. Twist either direction</li><li>d. Exposing igniter</li></ol></li><li>3a. Place thumb under edge<ol style="list-style-type: none"><li>b. Force upward</li><li>c. Exposing striker</li></ol></li><li>4a. Fusee/flare with exposed igniter in one hand<ol style="list-style-type: none"><li>b. Fusee/flare cap with exposed striker in the other</li></ol></li><li>5a. Hands fully extended from body<ol style="list-style-type: none"><li>b. Eyes turned away from flare/fusee and striker</li><li>c. Rapidly rub striker across igniter</li><li>d. With movement of flare/fusee away from the body</li><li>e. Repeat steps a - d until ignited</li></ol></li><li>6a. At arm's length from body<ol style="list-style-type: none"><li>b. Pointed away from body</li><li>c. Do not look directly at flame</li><li>d. Do not inhale toxic smoke</li></ol></li></ol> |
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HOW TO IGNITE AND EXTINGUISH  
ROAD FLARES AND FUSEES

## OPERATIONS

## KEY POINTS

### EXTINGUISHING

1. Grasp flare/fusee
  
2. Tap the flare/fusee onto the ground
  
3. Properly dispose of used flare/fusee

**Note:** It is unsafe to extinguish a flare or fusee by banging or slamming the ignited end on the ground. Hot slag-like material can travel many feet causing fire to spread or injuring personnel within the area.

- 1a. With either hand
- b. Near base
- c. In appropriate personal protective equipment
- d. Gloves on
- e. Goggles in place
- 2a. Lighted end toward ground
- b. Lightly tap on boot heel or small rock knocking off burning slag.
- c. Until out
- 3a. Dead-out
- b. All trash removed from site
- c. Haz-Mat waste in proper container



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***APPLICATION:***

Student to practice until proficient.

***EVALUATION:***

A performance examination.

***ASSIGNMENT:***

To be determined by instructor(s).