



Fire Protection Training

Procedures Handbook 4300

POWER TOOLS

TOPIC: How To Use A Gasoline Powered Circular Saw

TIME FRAME: 30 Minutes

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A gasoline powered circular saw, material to cut, a student in full protective clothing including eye protection and chaps

Behavior: The student will operate the saw under simulated fire conditions.

Standard: With a minimum of 70% accuracy and no safety violations

MATERIALS NEEDED:

- Circular saw
- Material to cut
- Performance examination
- Full protective clothing including eye protection
- Chaps

REFERENCES: None

PREPARATION:

A power saw is a fast and effective tool. It can be used effectively in ventilation, rescue, and vehicle extrication operations. By changing blades it can cut a variety of materials. The saw can be very dangerous if improperly used.



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HOW TO USE A GASOLINE
POWERED CIRCULAR SAW

OPERATIONS

KEY POINTS

- | OPERATIONS | KEY POINTS |
|------------------------|--|
| 1. Position saw | 1a. On solid flat surface
b. Blade away from body |
| 2. Place foot | 2a. Inside trigger guard |
| 3. Grasp saw with hand | 3a. On cross handle |
| 4. Set saw controls | 4a. Choke open
b. Ignition "On"
c. Throttle locked open |
| 5. Pull starting cord | 5a. With working hand
b. With crisp full, snapping motion |
| 6. Lift and saw | 6a. When saw starts
b. Away from body
c. Firmly
d. One hand on cross ba
e. One hand on trigger |
| 7. Operate saw | 7a. Choke in "off" position
b. Balanced stance with feet spread
c. Perpendicular or parallel to cut
d. Knees bent
e. Back straight
f. Maintain clear, safe work area
g. At full throttle |
| 8. Make cut | 8a. Pull saw
b. In straight line
c. Towards self
d. Slowly
e. At proper blade depth |



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9. Remove saw

10. Stop saw

9a. From cut

b. At idle speed

10a. Ignition to "off" position



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APPLICATION:

Student to practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).

Performance Examination

HOW TO USE A GASOLINE
POWERED CIRCULAR SAW

	<u>POINTS</u>
1. Position saw on a flat solid surface with the blade away from the body.	<u>10</u>
2. Place one foot inside the trigger guard pressing to the ground.	<u>10</u>
3. Grasp the saw with one hand on the cross handle.	<u>10</u>
4. Properly set saw controls in the operational mode: Ignition "on", choke "open" and throttle "locked open".	<u>10</u>
5. Pull the starting rope or cord in a crisp full snapping upward motion.	<u>10</u>
6. When the saw starts lift and hold the saw away from the body with one hand on the cross handle and one on the trigger.	<u>10</u>
7. With choke in the "off" position operate the saw at full throttle. Feet must be spread with knees slightly bent and back straight.	<u>10</u>
8. Make the designated cut by pulling the saw slowly toward the operator at the proper blade depth.	<u>10</u>
9. Upon completion of the cut allow the saw to return to idle speed and remove the saw from the cut.	<u>10</u>
10. Stop the saw by turning the ignition to the "off" position.	<u>10</u>

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

EVALUATOR'S SIGNATURE:

DATE:

COMMENTS:
