

DELAWARE STATE FIRE SCHOOL
For you Instruction: In-Service Drill

POWER TOOLS

PURPOSE

The purpose of this drill is to conduct refresher training in the skills and theories of the uses of power tools.

OBJECTIVES

At the conclusion of this drill, each member shall have demonstrated the operation, inspection, starting procedures, and explained the use of each power tool carried on your equipment.

EQUIPMENT

Power tool equipment. Possible equipment is: K-12, Sawzall, air chisel, porta-power, rabbit tool, airbags, hydraulic rescue tools, and smoke ejectors.

REFERENCES

IFSTA, Essentials of Firefighting
IFSTA, Rescue Practices
Specific Equipment Operations Manuals

SAFETY PRECAUTIONS

1. Wear full protective clothing, including gloves and hearing protection.
2. Follow your Fire Department S.O.P.
3. Area should be:
 - a. Well lighted
 - b. Adequately ventilated area
 - c. Free of excess debris
4. Always follow manufacturer's recommendations for operation of equipment.
5. Avoid operating tool in the following areas:
 - a. Apparatus exhaust area
 - b. Pump panel area
 - c. Tail board area
 - d. Driver/passenger seating areas

6. Transporting equipment
 - a. Lifting techniques
 - b. Handles
 - c. Utilize buddy system, if available
 - d. Avoid carrying by lines/cutting edges

REVIEW

1. Types of equipment
 - a. Manual hydraulic tools
 - (1) Operating techniques
 - (2) Attachments
 - (3) Power Unit
 - (4) Areas of Operation
 - b. Power operated hydraulic equipment
 - (1) Uses of tool
 - (2) Auxiliary equipment
 - (3) Power requirements
 - c. Air Powered Tools
 - (1) Uses
 - (2) Power supply
 - (3) Equipment in Kit
 - d. Air Bags
 - (1) Uses
 - (2) Equipment
 - (3) Air supply
 - e. Saws
 - (1) Cutting system
 - (2) Power supplies
 - (3) Specific uses

- f. Smoke ejectors
 - (1) Types
 - (2) Power requirements
 - (3) Performance

SKILLS

1. Members should inspect and operate the following if available.
 - a. Porta-Power
 - b. Circular Saw
 - c. Air Chisel
 - d. Chain Saw
 - e. Hydraulic Rescue Tool
2. Members should identify the uses of the specific equipment for use in your fire district.
 - a. Forcible entry
 - b. Extrication
 - c. Air circulation vs. exhaust
3. Members shall inspect and refill equipment with proper fluids, where necessary.

CONCLUSION

At conclusion of the Drill, the Drill Leader shall:

- a. Insure all equipment is secured
- b. Take attendance on DSFS form
 - (1) Have Chief sign form
 - (2) Mail to DSFS

Date of Original: 09/00