



MONTGOMERY COUNTY FIRE AND RESCUE SERVICE DRIVER/OPERATOR TRAINING PROGRAM

Practical Application Guide Sheet

On Board Generator

Driver Performance Competency: The driver trainee will demonstrate proficiency and knowledge in the operations and of the onboard generator, electrical components and set-up of electrical systems.

1. The driver trainee will provide the following information:
 - a. Location of on-board and portable generator.
 - b. Capacity of the on-board generator. _____
 - c. Locations on apparatus to start/stop generator.
 - d. Location, length, wire gauge size and breaker size of fixed cord reels.
 - e. Location, length, wire gauge size and breaker size of portable cord reels.
 - f. Location on apparatus of electrical panel and purpose of each breaker.
 - g. Location and purpose of all pigtails carried on the apparatus.
 - h. Explain how to determine the power requirements of a given tool or appliance (wattage) then determine the units of electricity required for each type of portable lighting or electric tool.
2. The driver trainee will demonstrate procedures for starting the on-board generator.
3. The driver trainee will demonstrate procedures for illuminating a 3-room burned out area.
 - a. Proper procedures for starting generator
 - b. Deploy a trunk line into structure.
 - c. Set-up branch lines to appropriate rooms.
 - d. Set-up appropriate lighting to illuminate rooms.
3. The driver trainee will demonstrate procedures for setup and raising and lowering a light tower if supplied on apparatus.
 - a. Proper procedures for starting generator
 - b. Location of light tower controls
 - c. Check for overhead obstructions prior to raising light tower.
 - d. Properly raise light tower, extend and rotate.
 - e. Lower light tower and stow.
4. The driver trainee will explain all maintenance requirements for the generator.
5. The driver candidate will set up and run all tools. During this operation the electrical requirements of each tool will be identified.