

SCHOOL \_\_\_\_\_

STUDENT TRAINING PLAN FOR COOPERATIVE EDUCATION

INSTRUCTOR \_\_\_\_\_ PHONE NUMBER \_\_\_\_\_

STUDENTS NAME:

ADDRESS:

TOWN: STATE:ME ZIP:

PARENTS NAME:

SOCIAL SECURITY NO:

D.O.T. CODE : 862.281-018 Oil Burner Services and Installer

**OBJECTIVES TO BE COMPLETED BY THE STUDENT LEARNER:** Installs and services automatic oil burners in furnaces in homes and commercial establishments, using hand tools and pipe-threading tools: Assembles and positions oil storage tank between furnace and wall of building. Drills holes in wall and affixes oil inlet and outlet pipes from storage tank through holes to outside of building. removes ash pit and grate bars from furnace and installs burner in opening. Seals space around burner with plaster. Connects pipe to storage tank and burner to convey oil. Installs thermostatic control and damper in chimney. Observes color and height of flame and volume of smoke emitted to determine causes of faulty operation. Examines flue draft, using draftstat, and changes balance weight to adjust damper. May install and service automatic coal stokers.

**SKILLS THE STUDENT SHOULD ACQUIRE DURING HIS/HER TRAINING PROGRAM:**

(A) Understanding of the following skills that will be taught and learned during the training:

1. Machine shop applications
2. General trouble shooting
3. Motors-fan-pump-etc.
4. High pressure gun burners
5. Low pressure atomizers
6. Rotary burners
7. Vaporizing burners
8. Electrical equipment & circuits- proper grounding & short circuits protection fusing, starter& contractor overloads motor.
9. Setting & mounting equipment.
10. Fitting & tubing pipe
11. Vibration eliminations-charging
12. Hangers-insulation-charging
13. Control installation
14. Welding, soldering, brazing
15. Installation of tanks & piping.

**SAFETY FEATURES THE STUDENT SHOULD KNOW ABOUT HIS/HER PLACE OF EMPLOYMENT:**

1. 1 .FIRST AID KIT
2. FIRE EXTINGUISHERS
3. FIRE DOOR EXITS
4. HOW TO DIAL 911

5. EMERGENCY PHONE NUMBERS
6. FIRE BLANKET
7. SPRINKLER SYSTEM
8. MISC. SAFETY AREAS
9. EYE WASH STATIONS
10. SAFETY GLASSES
11. HARD HAT PROTECTION
12. SAFETY GLOVES