

MOBILE ELECTRONICS TECHNICIAN/2 (180 Hours)

Course No.: 79-35-85

COMPETENCY CHECKLIST

Student Name _____

Teacher Name _____ School Site _____

Start Date _____ Completion Date _____ Certificate Date _____

Teacher Signature _____ Student Signature _____

(Signatures verify completion of course competencies)

A. ORIENTATION (5 hrs)

- _____ 1. Describe class procedures
- _____ 2. Describe class policies

B. SAFETY (10 hrs)

- _____ 1. Describe safety procedures
- _____ 2. Pass safety test with 100% accuracy
- _____ 3. Proper safety techniques for power tools
- _____ 4. Proper safety techniques for hand tools
- _____ 5. Proper safety techniques for equipment
- _____ 6. Demonstrate care in handling of vehicles
- _____ 7. Explain the danger of wet cell batteries
- _____ 8. Working in an engine compartment

C. TOOLS (10 hrs)

- _____ 1. Identify various hand tools
- _____ 2. Identify various power tools
- _____ 3. Describe use of hand tools
- _____ 4. Describe use of power tools
- _____ 5. Discuss student's responsibility for tools

D. SPEAKERS AND CROSSOVERS (40 hrs)

- _____ 1. Describe types of car audio speakers
- _____ 2. Distinguish types of car audio speakers
- _____ 3. Determine proper speaker sizes
- _____ 4. Determine proper speaker locations
- _____ 5. Describe phasing
- _____ 6. Describe impedance matching
- _____ 7. Describe how to properly prepare a car door
- _____ 8. Install speakers in a properly prepared door
- _____ 9. Describe various speaker enclosures
- _____ 10. Design a speaker enclosure
- _____ 11. Construct a speaker enclosure
- _____ 12. Describe how to tune an enclosure
- _____ 13. Demonstrate how to tune an enclosure

- _____ 14. Discuss speaker specifications
- _____ 15. Describe the theory of sound waves
- _____ 16. Discuss the theory of stereo imaging
- _____ 17. Discuss passive and active crossover networks
- _____ 18. Design passive crossovers

E. SECURITY SYSTEMS (50 hrs)

- _____ 1. Discuss vehicle security equipment
- _____ 2. Identify vehicle security equipment
- _____ 3. Discuss vehicle security installation techniques
- _____ 4. Determine vehicle security needs
- _____ 5. Design vehicle security system

F. CELLULAR PHONES (20 hrs)

- _____ 1. Discuss cellular phone systems
- _____ 2. Describe parts of cellular phone system
- _____ 3. Identify various parts of cellular phone
- _____ 4. Discuss how to program cellular phone
- _____ 5. Discuss locations for cellular phone installation
- _____ 6. Discuss/choose location for cellular phone
- _____ 7. Discuss the wiring of cellular phones
- _____ 8. Identify accessories for cellular phone
- _____ 9. Demonstrate operation of cellular phone

G. NAVIGATION AND TRACKING SYSTEMS (20 hrs)

- _____ 1. Theory/operation: vehicle navigation systems
- _____ 2. Skills necessary to install vehicle nav. systems
- _____ 3. Theory/operation: vehicle tracking systems
- _____ 4. Skills necessary to install tracking systems

H. CUSTOMER RELATIONS (10 hrs)

- _____ 1. Discuss customer service to build business
- _____ 2. Explain audio system operation to customer
- _____ 3. Explain security system to a customer
- _____ 4. Explain cellular phone to a customer

- _____ 5. Answer various customer questions
- _____ 6. Check for proper function of all systems
- _____ 7. Complete and sign check-out sheet
- _____ 8. Return vehicle to customer

I. EMPLOYABILITY SKILLS (15 hrs)

- _____ 1. Discuss employment requirements
- _____ 2. Apply learned skills when seeking job
- _____ 3. Design sample resumes
- _____ 4. Describe job specifics for various positions
- _____ 5. Discuss qualifications needed for job
- _____ 6. Discuss plans for seeking employment
- _____ 7. Identify potential employers
- _____ 8. Requirements of filling out a job application
- _____ 9. Complete sample job application forms
- _____ 10. Importance of punctuality in a job interview
- _____ 11. Importance of positive attitude in interview
- _____ 12. Importance of enthusiasm in a job interview
- _____ 13. Importance of appropriate dress in interview
- _____ 14. Cleanliness/neatness in a job interview
- _____ 15. Importance of punctuality on the job
- _____ 16. Importance of a positive attitude on the job
- _____ 17. Importance of enthusiasm on the job
- _____ 18. Appropriate appearance on the job
- _____ 19. Cleanliness/neatness on the job
- _____ 20. Continuous upgrading of job skills
- _____ 21. Proper personal appearance and demeanor