NATEF TASK SHEET --- SECTION A6 A. 17, 18, 19, 20 (P-1)

Soldering Task: Crimping, Soldering, and Heat-Shrinking Wires.

| Student: | Da | ate:P | Period: | | |
|---------------------------|---|---------------------------|-------------------------|--|--|
| Gage of Wire: | System: | | | | |
| Objective: | Student will strip a wire, or solder the connection, ar | | | | |
| <u>Materials</u> | EYE PROTECTIO Wire and Stripper/ Connectors Heat shrink tubing Solder and Solder | Crimper Tool and Heat gun | Western Union Splice | | |
| Procedure: | WEAR EYE PROTECTION! Watch "Soldering Video". Student will measure, cut, and strip both ends of a wire. Student will then slip heat shrink tubing onto the wire(s) loosely. Student will connect wire using western union splice and solder the connections. Student will finally slide the heat shrink tubing into place and heat with heat gun until tubing shrinks snugly onto wiring connections. | | | | |
| Show instruc | tor spliced wires: tor soldered wires: tor insulated wires: | <u></u> | | | |
| What is the borimping it? | enefit of crimping and sol | dering the conn | ection, instead of just | | |
| Why do we p | <u>ut heat shrink tubing on th</u> | ne connection? | | | |
| | ire gauge refer too? know that your solder con | nection is good | ? | | |
| Problems En | countered: | | | | |

INSTRUCTORS EVALUATION

| LEVEL OF SKILL ATTAINED | Initial | OVERALL SKILL EVALUATION | Points | | |
|-----------------------------|---------|--------------------------------|--------|--|--|
| DEMONSTRATES MASTERY (5) | | DOCUMENTATION COMPLETENESS (1) | | | |
| PERFORMS SATISFACTORILY (4) | | SAFETY COMPLIANCE (1) | | | |
| CAPABLE, NEEDS PRACTICE (3) | | Work Professionalism (3) | | | |
| Assisted in Performing (2) | | LEVEL OF SKILL ATTAINED (1-5) | | | |
| Exposure, Observation (1) | | TOTAL SCORE | | | |
| INSTRUCTOR'S SIGNATURE: | | | | | |

Soldering Lab / 01-17-2015 / vdb