Wire Repair

Student/Intern information:

Name _____ Date _____ Class _____

Vehicle used for this activity:

Year _____ Make _____ Model _____

Odometer _____ VIN _____

Learning Objective/Task	CDX Tasksheet Number	2017 MAST NATEF Reference Number; Priority Level
• Inspect, test, repair, and/or replace components, connectors, terminals, harnesses, and wiring in electrical/electronic systems (including solder repairs); determine needed action.	C299	6A10; P-1
• Repair data bus wiring harness.	C955	6A12; P-1

Time off_____

Time on_____

Total time_____

Materials Required

- Wiring harness (on or off the car)
- Terminal removal tool
- Wire stripper/crimper tool
- New replacement terminal
- Soldering iron
- 60/40 rosin core solder
- Heat shrink tube or electrical tape
- Wire strippers
- Heat gun, if using shrink tube

Some Safety Issues to Consider

- Terminal picks can be sharp. Be careful when using them so they don't slip and stab you.
- Always strip wires in a direction pointing away from you so the stripper doesn't slip and hit you in the face.
- Soldering irons get, and stay, extremely hot so always pick them up only by the handle.
- Solder is extremely hot when molten. Prevent it from dripping onto your skin or clothing.
- Comply with personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations.

Performance Standard

0—No exposure: No information or practice provided during the program; complete training required

1—Exposure only: General information provided with no practice time; close supervision needed; additional training required

2—Limited practice: Has practiced job during training program; additional training required to develop skill

3—Moderately skilled: Has performed job independently during training program; limited additional training may be required

4—Skilled: Can perform job independently with no additional training